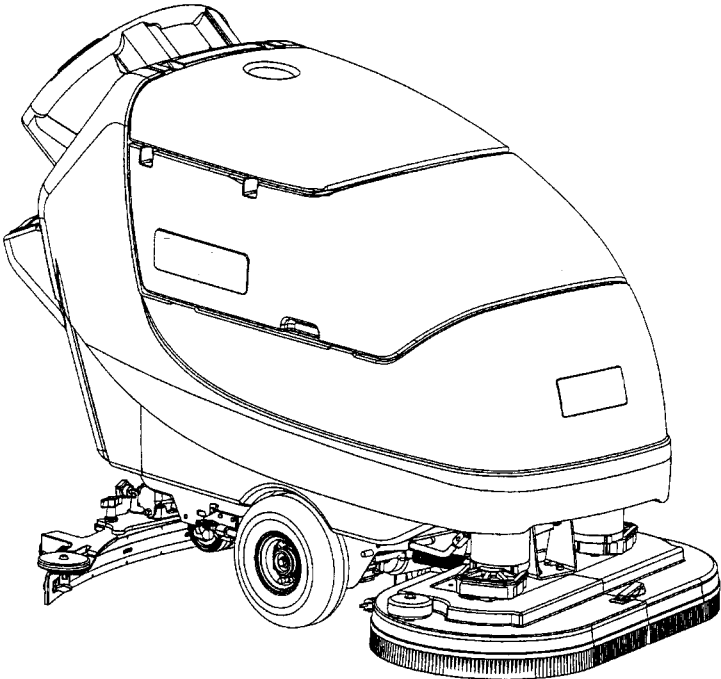


Instructions for Use-Original Instructions



SCRUBTEC *BOOST*® 8
SCRUBTEC 866
SCRUBTEC 871
SCRUBTEC 871C
SCRUBTEC 886

Models: 05370E(BOOST 8), 05370G(BOOST 8),
05390E(866), 05400E(871), 05400G(871), 05410E(886),
05420E(871C), 56380673(866)

English Instructions For Use-Original Instructions.....2-27
Parts List.....29-66

READ THIS BOOK



CAUTION: Read the Operator's Manual before using the appliance.

This book has important information for the use and safe operation of this machine. Failure to read this book prior to operating or attempting any service or maintenance procedure to your Nilfisk ALTO machine could result in injury to you or to other personnel; damage to the machine or to other property could occur as well. You must have training in the operation of this machine before using it. If operator(s) cannot read this manual, have it explained fully before attempting to operate this machine.

All directions given in this book are as seen from the operator's position at the rear of the machine.


Table of Contents


Operator Safety Instructions.....	3
Introduction	4
Machine Specifications.....	5
Procedures For Transporting.....	6
Symbols Used On SCRUBTEC.....	7
Machine Control Panel.....	8
Machine Controls and Features	10
How To Prepare The Machine For Operation.....	10
How To Operate The Machine.....	17
Maintenance.....	21
How To Correct Problems In The Machine.....	25
Section II Parts and Service Manual	
Solution Tank Assembly.....	30-31
Recovery Tank Assembly	32-33
Handle Assembly (Disc and BOOST Models)	34-35
Handle Assembly (Cylindrical Model)	36-37
Electrical Box Assembly	38-39
Squeegee Lift Holder Assembly	40-41
Squeegee Assembly (32.5")	42-43
Squeegee Assembly (35")	44-45
Squeegee Assembly (41")	46-47
Frame Assembly.....	48-49
Brush Head Assembly (866).....	50-51
Brush Head Assembly (871).....	52-53
Brush Head Assembly (886).....	54-55
Brush Head Assembly (BOOST 8)	56-57
Brush Head Assembly (871C)	58-59
Chemical Mixing Kit.....	60-61
Electrical Schematic	62-63
Connection Diagram.....	64
Accessories	65


MODIFICATIONS


Modifications and additions to the cleaning machine which affect capacity and safe operation shall not be performed by the customer or user without prior written approval from Nilfisk-Advance Inc. Unapproved modifications will void the machine warranty and make the customer liable for any resulting accidents.


OPERATOR SAFETY INSTRUCTIONS


 **DANGER:** Failure to read and observe all **DANGER** statements could result in severe bodily injury or death. Read and observe all **DANGER** statements found in your Owner's Manual and on your machine.


 **WARNING:** Failure to read and observe all **WARNING** statements could result in injury to you or to other personnel; property damage could occur as well. Read and observe all **WARNING** statements found in your Owner's Manual and on your machine.


 **CAUTION:** Failure to read and observe all **CAUTION** statements could result in damage to the machine or to other property. Read and observe all **CAUTION** statements found in your Owner's Manual and on your machine.


 **DANGER:** Failure to read the Owner's Manual prior to operating or attempting any service or maintenance procedure to your Nilfisk ALTO machine could result in injury to you or to other personnel; damage to the machine or to other property could occur as well. You must have training in the operation of this machine before using it. If your operator(s) cannot read English, have this manual explained fully before attempting to operate this machine.


 **DANGER:** Operating a machine that is not completely or fully assembled could result in injury or property damage. Do not operate this machine until it is completely assembled. Inspect the machine carefully before operation.


 **DANGER:** Machines can cause an explosion when operated near flammable materials and vapors. Do not use this machine with or near fuels, grain dust, solvents, thinners, or other flammable materials. This machine is not suitable for picking up hazardous dust.


 **DANGER:** Lead acid batteries generate gases which can cause an explosion. Keep sparks and flames away from batteries. Do not smoke around the machine. Charge the batteries only in an area with good ventilation. Make sure that you unplug the AC charger from the wall outlet before operating the machine.


 **DANGER:** Working with batteries can be dangerous! Always wear eye protection and protective clothing when working near batteries. Remove all jewelry. Do not put tools or other metal objects across the battery terminals, or the tops of the batteries.


 **DANGER:** Using a charger with a damaged power cord could result in an electrocution. Do not use the charger if the power cord is damaged.

 **WARNING:** Operating this machine from anywhere other than the back of the machine could result in injury or damage. Operate this machine only from the rear.

 **WARNING:** This machine is heavy. Get assistance before attempting to transport or move it. Use two able persons to move the machine on a ramp or incline. Always move slowly. Do not turn the machine on a ramp. If operating machine on a gradient over 2%, do not stop, turn or park. Read the "Procedures For Transporting" in this manual before transporting.

 **WARNING:** Machines can topple over if guided over the edges of stairs or loading docks and cause injury or damage. Stop and leave this machine only on a level surface. When you stop the machine, turn the key "OFF".

 **WARNING:** Maintenance and repairs performed by unauthorized personnel could result in damage or injury. Maintenance and repairs must be performed by authorized Nilfisk ALTO personnel only.

 **WARNING:** Any alterations or modifications of this machine could result in damage to the machine or injury to the operator or other bystanders. Alterations or modifications not authorized by the manufacturer voids any and all warranties and liabilities.

**WARNING:**

Electrical components of this machine can “short-out” if exposed to water or moisture. Keep the electrical components of the machine dry. Wipe the machine down after each use. For storage, keep the machine in a dry building.

**WARNING:**

To reduce the risk of fire, when replacing fuse, replace only with same type and rating of fuse that comes with machine.

**WARNING:**

Operating a machine without observing all labels and instructional information could result in injury or damage. Read all machine labels before attempting to operate. Make sure all of the labels and instructional information are attached or fastened to the machine. Get replacement labels and plates from your Nilfisk ALTO distributor.

**WARNING:**

Wet floor surfaces can be slippery. Water solutions or cleaning materials used with this type of machine can leave wet areas on the floor surface. These areas can cause a dangerous condition for the operator or other persons. Always put “Caution” signs around/near the area you are cleaning.

**WARNING:**

Improper discharge of waste water may damage the environment and be illegal. The United States Environmental Protection Agency has established certain regulations regarding discharge of waste water. Also, city and state regulations regarding this discharge may be in your area. Understand and follow the regulations in your area. Be aware of the environmental hazards of chemicals that you dispose.

**CAUTION:**

Use of this machine to move other objects or to climb on could result in injury or damage. Do not use this machine as a step or furniture. Do not ride on this machine.

**CAUTION:**

Your machine warranty will be voided if anything other than genuine Nilfisk ALTO parts are used on your machine. Always use Nilfisk ALTO parts for replacement.

Introduction :

Scrubtec 866, 871, 886, BOOST 8 and 871C automatic scrubbers are efficient and superior floor cleaning machines. The Scrubtec 886 uses two brushes or pads to scrub a path 86 cm wide. The Scrubtec 871 uses two brushes or pads to scrub a path 71 cm wide. The Scrubtec 866 uses two brushes or pads to scrub a path 66 cm wide. The Scrubtec BOOST 8 uses one pad or brush to scrub a path 71 cm wide. The Scrubtec 871C uses two brushes to scrub a path 71 cm wide. A squeegee wipes the floor while the vacuum motor removes the dirty solution from the floor in one pass.

Scrubtec 866, 871, 886, BOOST 8 and 871C automatic scrubbers come complete with three battery connector cables, one battery cable, one battery charger and one operator's manual.

Machine Specifications

Model	Scrubtec 866	Scrubtec 871	Scrubtec 886
Pad / Brush Size	(2) 13" (33 cm)	(2) 14" (36 cm)	(2) 17" (43 cm)
Brush Motor (s)	(2) 3/4 hp (.56 kw) 200 RPM	(2) 3/4 hp (.56 kw) 200 RPM	(2) 3/4 hp (.56 kw) 200 RPM
Cleaning Width	26" (66 cm)	28" (71 cm)	34" (86.4 cm)
Brush Pressure	1 st - 80 lbs. (36 kg) 2 nd - 150 lbs. (68 kg)	1 st - 80 lbs. (36 kg) 2 nd - 150 lbs. (68 kg)	1 st - 80 lbs. (36 kg) 2 nd - 150 lbs. (68 kg)
Brush Retention	Gimbal	Gimbal	Gimbal
Brush Head Water Retention	Steel Deck w/ Bristle Skirt	Steel Deck w/ Bristle Skirt	Steel Deck w/Bristle Skirt
Squeegee Width	32.5" (81 cm)	35" (89 cm)	41" (107 cm)
Width of Machine	28" (71 cm) Head 23.5" (60 cm) Body	30" (76 cm) Head 23.5" (60 cm) Body	35.7" (91 cm) Head 23.5" (60 cm) Body
Length of Machine	61" (155 cm)	62" (157 cm)	64" (162 cm)
Height of Machine		44" (112 cm)	
Weight w/250 Ah batteries and full solution tank	796 lbs. (361.1 kg)	800 lbs. (362.9 kg)	791 lbs. (358.8 kg)
Power Supply	24 volt, (4 - 6 volt batteries)		
Vacuum Motor	.75 hp (550W), 3 stage, tangential discharge		
Vacuum Motor Protection	Electronic Float Shut-Off		
Solution Tank	23 gallons (87 liters)		
Solution Fill	Rear Fill with Bucket or Hose		
Solution Flow	0 - 1 gal/min (0 - 3.8 liters/min)		
Recovery Tank	23 gallons (87 liters)		
Motor Traction	.44 hp (.33 kw)		
Speed Forward	0 - 260 ft/min (0 - 4.8 km/h)		
Speed Reverse	0 - 174 ft/min (0 - 3.2 km/h)		
Drive Wheel	(2) 10.24" (260 mm) x 3.35" (85 mm) Light Gray, Non-Marking, Foam Filled		
Caster	(2) 3.94" (10 cm) Polyurethane		
Squeegee Material	Urethane Front Blade and Rear Blade		
Cleaning Grade	2 %		
Charger	On Board, 24 volt, 25 amp		
Vibration @ handle	<2.5m/s ²		
Sound test @ operator's ear	65 dBA	65 dBA	67 dBA

Model	Scrubtec 871 C	Scrubtec BOOST 8
Pad / Brush Size	(2) 5.75" x 28" (14.6 x 69cm)	14" x 28" (35.6 x 71cm)
Brush Motor (s)	(2) .81 hp (.6 kw) 613 RPM	3/4 hp (.56 kw) 2250 RPM
Cleaning Width	28" (71 cm)	28" (71 cm)
Brush Pressure	80 lbs. (36 kg)	1 st - 65 lbs. (29.5 kg) 2 nd - 125 lbs. (56.7 kg)
Brush Retention	N/A	Hook & Loop
Brush Head Water Retention	Side Skirts	N/A
Squeegee Width	35" (89 cm)	35" (89 cm)
Width of Machine	30.69" (78 cm) Head 23.5" (60 cm) Body	28.75" (73 cm) Head 23.5" (60 cm) Body
Length of Machine	59.5" (151 cm)	60.5" (154 cm)
Height of Machine		44" (112 cm)
Weight w/250 Ah batteries and full Solution Tank	792 lbs. (359.3 kg)	794 lbs. (360.2 kg)
Power Supply	24 volt, (4 - 6 volt batteries)	
Vacuum Motor	.75 hp (550W), 3 stage, tangential discharge	
Vacuum Motor Protection	Electronic Float Shut-Off	
Solution Tank	23 gallons (87 liters)	
Solution Fill	Rear Fill with Bucket or Hose	
Solution Flow	0 - 1 gal/min (0 - 3.8 liters/min)	Normal BOOST Scrubbing .12 gal/min (.45 liters/min), Full range .0 - .65 gal/min (0 - 2.5 liters/min)
Recovery Tank	23 gallons (87 liters)	
Motor Traction	.44 hp (.33 kw)	
Speed Forward	0 - 260 ft/min (0 - 4.8 km/h)	
Speed Reverse	0 - 174 ft/min (0 - 3.2 km/h)	
Drive Wheel	(2) 10.24" (260 mm) x 3.35" (85 mm) Light Gray, Non-Marking, Foam Filled	
Caster	(2) 3.94" (10 cm) Polyurethane	
Squeegee Material	Urethane Front Blade and Rear Blade	
Cleaning Grade	2 %	
Charger	On Board, 24 volt, 25 amp	
Vibration @ handle	<2.5m/s ²	
Sound test @ operator's ear	71 dBA	63 dBA

PROCEDURES FOR TRANSPORTING**How To Put The Machine In A Van Or Truck**

WARNING: The machine is heavy. Make sure you use two able persons to assist the machine in climbing the ramp.

1. Make sure the loading ramp is at least eight (8) feet long, and strong enough to support the machine.
2. Make sure the ramp is clean and dry.
3. Put the ramp in position.
4. Remove squeegee assembly.
5. Remove brush housing, pad drivers or brushes if transporting disc machine.
6. Turn key switch "ON".
7. Align the machine on a level surface, ten (10) feet in front of the ramp.
8. Put the traverse speed switch in the "HI" position.
9. Press one or both forward switches.
10. Push the machine to the top of the ramp.
11. Turn the key switch "OFF".
12. Fasten the machine to the vehicle.

How To Remove The Machine From A Van Or Truck

1. Make sure there are no obstructions in the area.
2. Make sure the unloading ramp is at least eight (8) feet long and strong enough to support the machine.
3. Make sure the ramp is clean and dry.
4. Put the ramp in position.
5. Unfasten the machine.



WARNING: The machine is heavy. Make sure you use two able persons to assist in moving the machine down the ramp.

6. Turn the key switch "ON".
7. Carefully and slowly, drive the machine to the top of the ramp by pressing and holding either of the forward switches and the reverse switch.
8. Put the traverse speed switch in the mid range speed setting. As the machine begins to travel down the ramp, maintain a slow downward speed by pressing either of the forward switches.
9. Replace squeegee assembly and other removed components, after the machine is unloaded and ready to use.

SYMBOLS USED ON SCRUBTEC



Hazard Alert Symbol



WARNING!
Carefully read all instructions before performing any procedure.



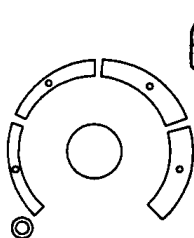
WARNING!
Do not use the machine on slopes exceeding the specifications.



WARNING!
Do not wash the machine with direct or pressurized water jets.



Charge/Battery Meter



Chemical Mixing Control
(Optional)



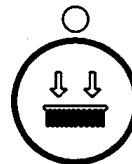
On/Off Key Switch



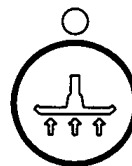
Traverse Speed Control



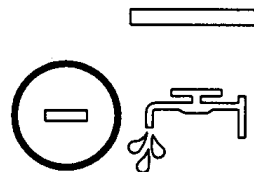
“One Touch” Control



Additional Brush Pressure
(Not Available on Cylindrical)



Vacuum On/Off



Solution Control

MACHINE CONTROL PANEL

Key Switch (See Figure 1, Item "A")

The key switch turns "ON" the power to the control panel. "O" is "OFF" and "I" is "ON".

Traverse Speed Switch (See Figure #1, Item "B")

The speed control varies from low to high speed. To increase the speed, turn the knob to the right. To decrease the speed, turn the knob to the left.

One Touch Control Button (See Figure 1, Item "C")

The one touch control button raises and lowers the brush head assembly, starts and stops the vacuum motor automatically. Press the one touch control button once and the brush head assembly lowers to the floor and the vacuum motor turns "ON" (brush head and vacuum LEDs illuminate green). The brush motors start when the brushes are down and the forward palm button is depressed. Press the one touch control button again and the brush head assembly raises, the vacuum motor will remain on for 10 seconds and then shut "OFF".

Increase Brush Pressure Button (See Figure 1, Item D)

This button is used to increase the brush pressure. Increased brush pressure may be required when stripping or cleaning heavily soiled floors. To increase brush pressure, first lower the brushes by pressing the one touch control button (Item "C"). This will lower the brushes to the normal scrub position. To increase brush pressure, press the button (Item "D"). The LED above the button will illuminate yellow. Press the button (Item "D") again and the brushes will return to normal scrub (yellow LED will turn "OFF"). NOTE: Increase brush pressure is not available on cylindrical machine.

Vacuum Motor Button (See Figure 1, Item "E")

The vacuum motor button turns the vacuum motor "ON" or "OFF", regardless of brush head assembly position. The green LED will illuminate when the vacuum motor is "ON".

Solution Control Buttons (See Figure 1, Item "F & G")

The solution control buttons regulate the flow of cleaning solution to the floor. The normal scrub solution setting is indicated by two green bars on the meter. On cylindrical machines, with most floor conditions, the solution setting should be set one step higher. To increase the flow, press the solution flow button "G" (+) until the desired flow is reached. To decrease the flow, press the solution flow button "F" (-) until the desired flow is reached. To shut off the solution, press the solution flow button "F" (-) until no indicators are visible on the display. **NOTE: No solution will flow when the machine does not traverse.**

Forward Palm Buttons (See Figure 1, Item "H")

The forward palm buttons turn the traverse motor "ON" and if the brush motors are in the down position, it also activates the brush motors and solution control module. Either the right or the left palm button can be used.

Reverse Push Button (See Figure 1, Item "I")

The reverse push button, when used in conjunction with one of the forward palm buttons, causes the machine to reverse direction. The reverse speed is 67% of the forward speed.

Charge / Battery Meter (See Figure 1, Item "J")

The charge / battery meter indicates the battery is being charged when the charger is plugged into an AC outlet. It also indicates the amount of charge that is left in the batteries while the machine is in use. When the charge gets too low the brush/pad motors will shut off.

Circuit Breakers (See Figure 1, Item "K & L")

The circuit breakers for the brush motors are located on the control panel. If a circuit breaker trips, determine which motor is not operating and turn the key switch "OFF". Wait five minutes and push the reset button back in. Turn the key switch "ON", and try again. An authorized service person should be contacted if the breaker trips again.

Hour Meter (Optional) (See Figure 1, Item "M")

The hour meter indicates the number of hours the machine has operated. It runs only when the machine is moving forward or reverse.

Chemical Mixing Control (Optional) (See Figure 1, Item "N")

The chemical mixing control regulates the amount of concentration of cleaning chemical mixed with the clear water from the solution tank. Turning the chemical mixing knob clockwise increases the concentration of chemical.

MACHINE CONTROL PANEL

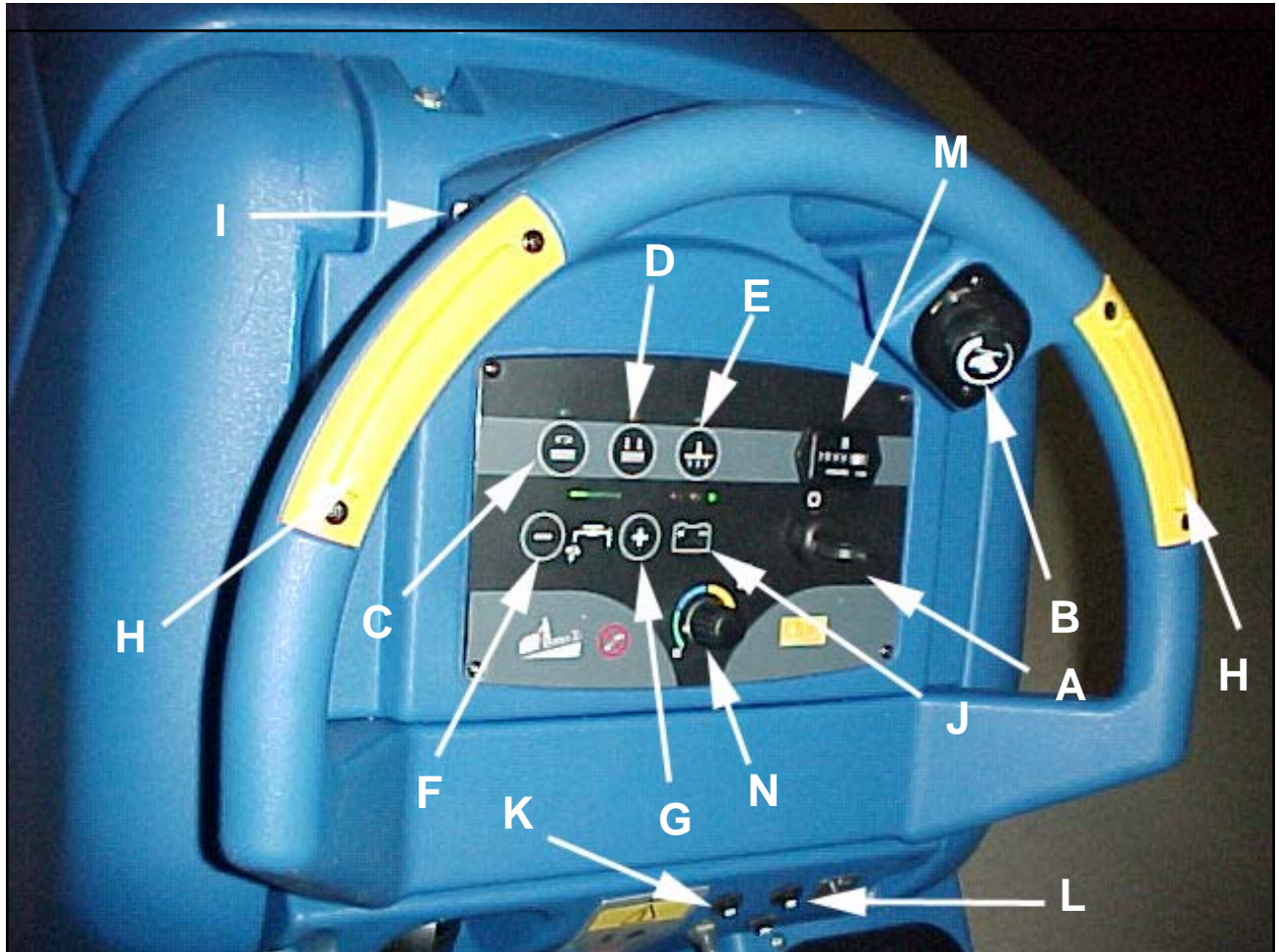


Figure 1

MACHINE CONTROLS AND FEATURES

Squeegee Lift Handle (Manual Squeegee Lift) (See figure 2)

The squeegee lift handle is located below the control handles in the center. It is used to raise or lower the squeegee.

Float Shut Off (See Figure 3).

The shut-off switch for the vac motor is located in the recovery tank. It automatically turns off the vac motor when the recovery tank is full.

HOW TO PREPARE THE MACHINE FOR OPERATION

How To Install The Batteries

This machine uses four - 6 volt batteries. The batteries are located in the battery compartment under the recovery tank.

To install the batteries, follow this procedure:

1. Turn machine off. Set brake (if equipped).
2. Make sure recovery tank is empty.
3. Tip up the recovery tank to it's full open position. See figure 4.



CAUTION:

Before raising the tank, be sure tank is empty.



WARNING:

Do not operate the machine while the recovery tank is in the open position. The tank can be accidentally bumped and it may slam shut.

4. Place the batteries in the tray as shown in Figure 5.



WARNING:

The batteries are heavy. Lifting batteries without help could result in an injury. Get help to lift the batteries.



WARNING:

Working with batteries can be dangerous. Always wear eye protection and protective clothing when working near batteries. **NO SMOKING!**

5. Connect the cables between batteries and install battery cable assembly as indicated. See figure 5.
6. Join the connector from the battery pack to the connector on the control panel.
7. Close recovery tank by slowly lowering the tank.



WARNING:

Never charge any battery with an unsuitable battery charger. Carefully follow the instructions by the manufacturer of the batteries and battery charger.



Figure 2

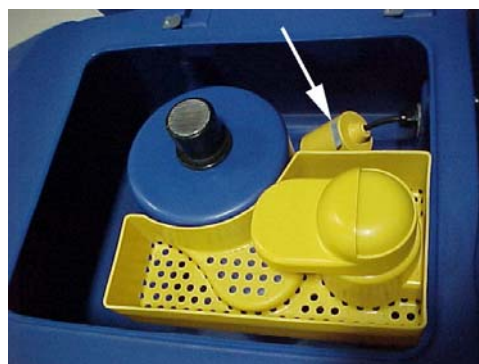


Figure 3



Figure 4

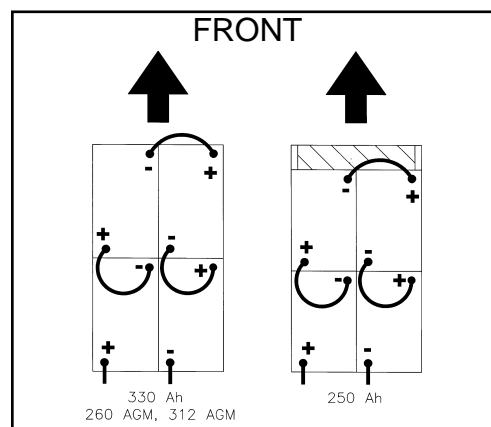


Figure 5

HOW TO PREPARE THE MACHINE FOR OPERATION

How to program battery charger (WET or AGM batteries):

According to the type of batteries (WET or AGM), set the machine and electronic board of the battery charger as follows:

Charger Setting

1. Turn the key switch "ON" (see figure 5A, item A) and in the very first seconds of machine operation pay attention to the following:
 - If the green warning light (item B) is flashing, the charger is set to AGM.
 - If the yellow warning light (item C) is flashing, the charger is set to GEL EXIDE.
 - If the red warning light (item D) is flashing, the charger is set to WET.
2. If the setting is to be changed, perform the following procedure:
 - a. Turn the key switch "OFF".
 - b. Press and hold the buttons (items E and F) at the same time, then turn the key switch (item A) "ON".
 - c. Continue to hold the buttons (items E and F) until the battery meter LED light turns "ON" and "OFF" and then release both buttons.
 - d. Within 3 seconds, toggle the button (item F) to advance the green bar (item G) to the desired charger setting (see green bar position for charger settings below):

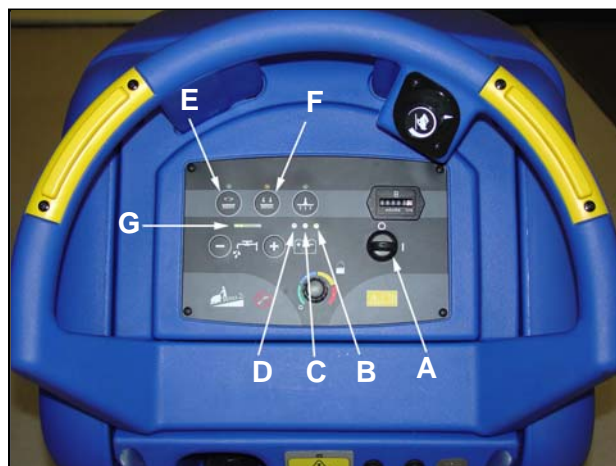


Figure 5A

Green bar setting (item G)

- 1st green bar - WET @ 25 amps, 250 & 330 ah batteries (4 RED blinks).
 - 2nd green bar - GEL/AGM @ 25 amps, 260 & 312 AGM (4 GREEN blinks).
 - 3rd green bar - GEL EXIDE @ 25 amps (4 YELLOW blinks).
 - 4th green bar - WET @ 15 amps (2 RED blinks).
 - 5th green bar - GEL/AGM @ 15 amps (2 GREEN blinks).
 - 6th green bar - GEL EXIDE @ 15 amps (2 YELLOW blinks).
- e. Once proper battery charger profile is selected, wait until battery LED light quits flashing and stays on before turning key switch "OFF".
 - f. Repeat step 1 to verify that proper charger profile was programmed for battery type (WET or GEL).

NOTE: Charge the batteries before using the machine.

HOW TO PREPARE THE MACHINE FOR OPERATION

Battery Maintenance

The electrical power to operate the machine comes from the storage batteries. Storage batteries need preventative maintenance.



WARNING: Working with batteries can be dangerous. Always wear eye protection and protective clothing when working near batteries. **NO SMOKING!**

To maintain the batteries in good condition, follow these instructions:

1. Keep the electrolyte at the correct level. The correct level is between 1/4" (1/2 cm) below the bottom of the tube in each cell and above the tops of the plates. Check the level of the electrolyte each time you charge the batteries. See figure 6.

NOTE: Check the level of electrolyte prior to charging the batteries. Be sure the plates in each cell are covered with electrolyte before charging. Do not top off the cells prior to charging the battery. Electrolyte expands during charging. As a result, the electrolyte could overflow from the cells. Always top off the cells with distilled water after charging.



CAUTION: Irreversible damage will occur to the batteries if electrolyte does not cover the plates. Keep the electrolyte at the correct level.



CAUTION: Machine damage and discharge across the tops of the batteries can occur if the batteries are over filled. Do not fill the batteries up to the bottom of the tube in each cell. Wipe any acid from the machine or the tops of the batteries. Never add acid to a battery after installation.



CAUTION: Batteries must be refilled with distilled water only. Do not use tap water as it may contain contaminants that will damage batteries.

2. Keep the tops of the batteries clean and dry. Keep the terminals and connectors clean. To clean the top of the batteries, use a damp cloth with a weak solution of ammonia or bicarbonate of soda solution. To clean the terminals and connectors, use a terminal and connector cleaning tool. Do not allow ammonia or bicarbonate of soda to get into batteries.
3. Keep the batteries charged.
4. To drain battery compartment: (See figure 7)
 - a. Always wear protective eye protection and protective clothing.
 - b. Add a weak solution of ammonia or bicarbonate of soda solution to battery compartment to neutralize any spilled acid.
 - c. Locate drain hose behind the transaxle.
 - d. Place hand behind flange and open valve.
 - e. When empty, close valve.
 - f. Neutralize any acid spills with ammonia or bicarbonate of soda.

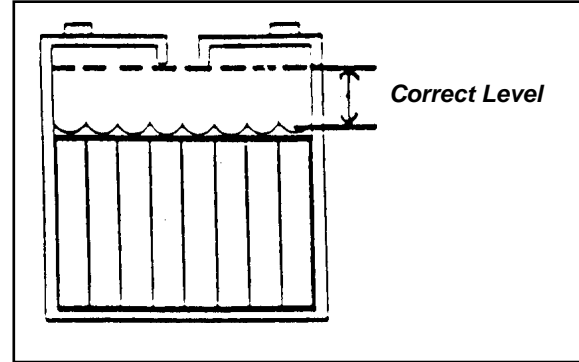


Figure 6



Figure 7

HOW TO PREPARE THE MACHINE FOR OPERATION

How To Charge The Batteries

- WARNING:** Charging the batteries in an area without adequate ventilation could result in an explosion. To prevent an explosion, charge the batteries only in an area with good ventilation.
- WARNING:** Lead acid batteries generate gases which could explode. Keep sparks and flames away from batteries. **NO SMOKING!**

To charge the batteries, follow this procedure:

1. Make sure the key switch is in the "OFF" position.
2. Before charging the batteries, the battery compartment needs to be vented. To vent compartment, tip up the recovery tank and rotate the tank support bracket, located in the solution tank (see figure 8). Slowly lower the recovery tank and let it rest on the support bracket (see figure 9). To close the tank, lift up on the recovery tank, rotate the support bracket down, then slowly lower the tank to the closed position.

- CAUTION:** Before raising tank, be sure tank is empty.
- WARNING:** Do not operate the machine while the recovery tank is in the open position. The tank can be accidentally bumped and it may slam shut.

3. Connect the battery charger AC cord located at the rear of the machine to an appropriate wall receptacle.
4. Observe indicator lights on the charger/battery meter to ensure the charging process has started. Red, yellow and green lights indicate state of charge. Steady on green light indicates the batteries are fully charged.

NOTE: Make sure you plug into a circuit that is not loaded by other equipment. Wall breakers may be tripped and no charge will occur.

- WARNING:** Never charge any battery with an unsuitable battery charger. Carefully follow the instructions given by the manufacturer of the batteries and battery charger.

NOTE: To prevent permanent damage to the batteries, avoid their complete discharge. Never leave the batteries completely discharged, even if the machine is not being used. When recharging the batteries, keep the recovery tank open. Check the level of the electrolyte and if necessary top off with distilled water.



Figure 8



Figure 9

HOW TO PREPARE THE MACHINE FOR OPERATION

How To Install The Brush Or Pad (BOOST Machine)

To install the brush or pad on the machine, follow this procedure:

1. Turn the key switch "ON".
2. Put the brush head assembly in the "Up" position.
3. Turn the key switch "OFF".
4. Go to the front of the machine.
5. Press on a brush or pad, under the flex plates.
See figure 10.

NOTE: When using a black pad, position pad on head. Lower head and operate momentarily to affix pad to pad driver (if you have difficulty, position pad on floor and lower head then operate.)

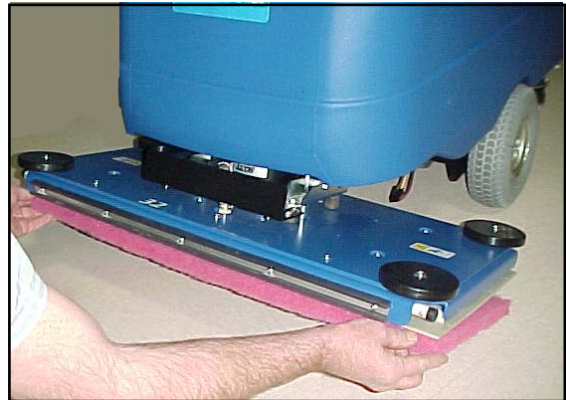


Figure 10

How To Remove The Brush Or Pad (BOOST Machine)

To remove the brush or pad from the machine, follow this procedure:

1. Turn the key switch "ON".
2. Put the brush head assembly in the "Up" position.
3. Turn the key switch "OFF".
4. Go to the front of the machine and pull downward on the brush or pad until it releases from the flex plates. See figure 11.

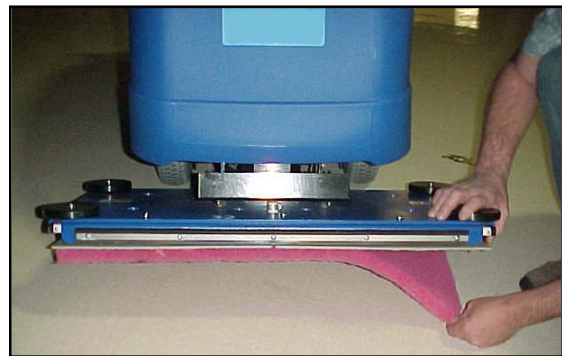


Figure 11

HOW TO PREPARE THE MACHINE FOR OPERATION

How To Install The Brushes Or Pad Drivers On The Disc Machine

To install the brushes or pad drivers on the machine, follow this procedure:

1. Turn the key switch "ON".
2. Put the brush head assembly in the "UP" position.
3. Turn the key switch "OFF".
4. Unlatch right and left brush housings and remove them. See figure 12.
5. Put a brush or pad driver under the brush motor plate. See figure 13.
6. Align the lugs on the motor gimbal with the slots in the brush gimbal.
7. Pull the brush up until the gimbal locks.
8. Repeat steps 5, 6 and 7 to install the second brush or pad driver.
9. Reinstall right and left brush housings and latch front cover.



DANGER: Operating a machine that is not completely or fully assembled could result in injury or property damage. Do not operate this machine unless it is completely assembled. Inspect the machine carefully before operation.

How To Remove The Brushes Or Pad Drivers On the Disc Machine

To remove the brushes or pad drivers from the machine, follow this procedure:

1. Turn the key switch "ON".
2. Put the brush head assembly in the "UP" position.
3. Turn the key switch "OFF".
4. Unlatch right and left brush housings and remove them. See figure 12.
5. Push down on two sides of the brush or pad driver until the gimbals release.



Figure 12



Figure 13

HOW TO PREPARE THE MACHINE FOR OPERATION

How To Change Or Reverse Bristle Direction On Cylindrical Machine

To install or reverse bristle direction on the machine, follow this procedure:

1. Turn the key switch "ON".
2. Put the brush head assembly in the "UP" position.
3. Turn the key switch "OFF".
4. Go to the front of the machine and loosen thumb screw on brush door. See figure 14.
5. Lower door approximately 1/2 inch and remove brush door.
6. Remove brush. See figure 15.
7. Inspect brush condition. If damaged or worn, replace it. Otherwise, turn brush end for end periodically to reverse bristle direction for better life.
8. Slide brush onto driver or opposite side and rotate slowly until drive lugs are lined up with brush slots. Push brush all the way in.
9. Install brush door assembly into brush.
10. Raise door and tighten thumb screw.
11. Repeat for the other brush.



DANGER: Operating a machine that is not completely or fully assembled could result in injury or property damage. Do not operate this machine unless it is completely assembled. Inspect the machine carefully before operation.



Figure 14

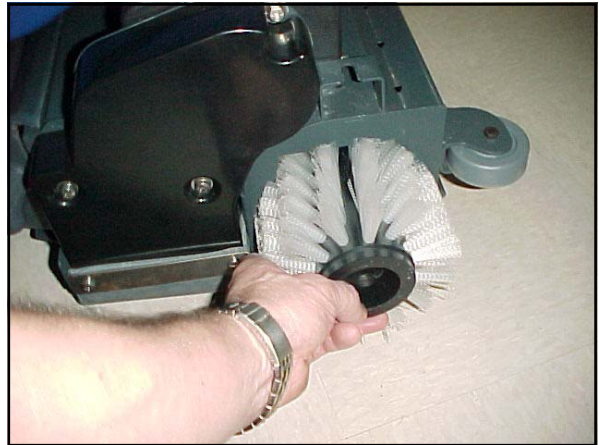


Figure 15

HOW TO OPERATE THE MACHINE

How To Operate the Squeegee

The squeegee wipes the floor while the vacuum motor removes the dirty solution from the floor. Use your hand to lower or raise the squeegee handle. To operate the squeegee, follow this procedure:

1. To lower the squeegee rotate the squeegee lever down. See figure 16.
2. To raise the squeegee, rotate the squeegee lever up. See figure 16.

How to Fill The Solution Tank

1. Remove the solution tank lid. See figure 17.
2. If the machine does not have the Chemical Mixing System, add a cleaning chemical to the solution tank. For the correct amount of chemical, follow the directions shown on the container.
3. Fill the solution tank with water.
4. Replace solution tank lid.



WARNING: Water solutions or cleaning materials used with this type of machine can leave wet areas on the floor surface. These areas can cause a dangerous condition for the operator or other persons. Always put CAUTION signs near the area you are cleaning.



WARNING: Machines can ignite flammable materials and vapors. Do not use with or near flammables such as gasoline, grain dust, solvents, and thinners. Only use a cleaning concentration recommended by the chemical manufacturer.



WARNING: Nilfisk ALTO recommends a maximum water temperature of 120°F(49°C)



Figure 16



Figure 17

HOW TO OPERATE THE MACHINE

How To Operate The Chemical Mixing System (Optional)

The chemical mixing system is designed to automatically mix the cleaning chemical directly from the manufacturer's chemical container into the clear water coming from the solution tank. The chemical control knob on the control panel is used to select the desired ratio according to the recommendation of the chemical manufacturer and the application requirements. The ratio settings are shown in figure 19.

CAUTION: Do not operate the chemical pump dry. If the chemical container is empty, make sure the chemical control is in the off position.

To operate the chemical mixing system, follow this procedure:

1. Select the proper cleaning chemical for scrubbing application.
2. Set the chemical knob to the recommended setting per the chemical manufacturer.
3. Make sure the recovery tank is empty and then open the recovery tank.
4. Position the manufacturer's chemical container into the bracket located at the front right side of the solution tank. See figure 18A & 18B
5. Remove container cap and insert bottle adapter and tighten cap.
6. Slowly close the recovery tank.
NOTE: With the knob turned fully counterclockwise, only water will be delivered to the floor.



Figure 18A



Figure 18B

CHEMICAL SETTINGS



QUANTITY	%	RATIO	COLOR
0.5 Oz/gal	0.4%	1:256	GREEN
1 Oz/gal	0.8%	1:128	BLUE
2 Oz/gal	1.6%	1:64	YELLOW
3 Oz/gal	2.3%	1:43	RED

GREEN
BLUE
YELLOW
RED

Figure 19

HOW TO OPERATE THE MACHINE

⚠ WARNING: Water solutions or cleaning materials used with this type of machine can leave wet areas on the floor surface. These areas can cause a dangerous condition for the operator or other persons. Always put CAUTION signs near the area you are cleaning.

⚠ WARNING: Machines can ignite flammable materials and vapors. Do not use with or near flammables such as gasoline, grain dust, solvents and thinners. Only use a cleaning concentration recommended by the chemical manufacturer.

⚠ WARNING: Nilfisk ALTO recommends a maximum water temperature of 120°F (49°C).

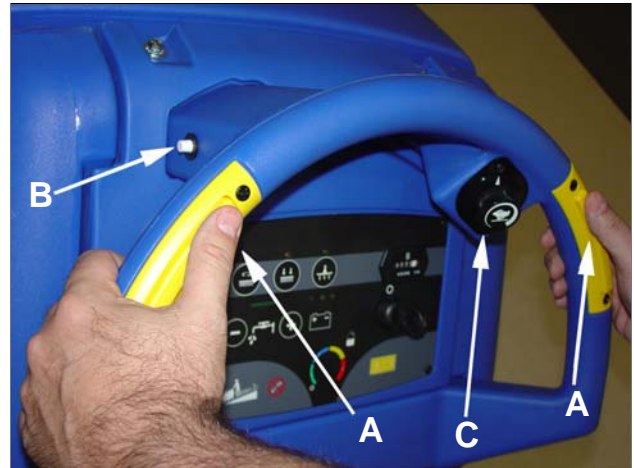


Figure 20

Operating The Machine

NOTE: Put the machine in the lowest traverse speed setting. Use the machine in an area that has no furniture or objects until you can do the following:

1. Move the machine in a straight direction, forward and backward.
2. Stop the machine safely.
3. Turn the machine both left and right and return to a straight direction.

To move the machine, follow this procedure:

1. Release the parking brake (if equipped with machine).
2. Turn the key switch to the "ON" position
3. Raise the brush.
4. Raise the squeegee.
5. When either the left or right forward palm buttons (figure 20, item A) are pushed in, the machine will go forward.
6. Control the speed of traverse by using the traverse speed control knob (figure 20, item C).
7. To stop, release the forward palm buttons.
8. To reverse the machine, push in the white reverse switch (figure 20 item B) and either the right or left forward palm buttons (figure 20 item A) at the same time.
9. To stop, release the forward palm buttons.
10. To turn the machine, push the rear of the machine to the side.
11. When you stop the machine, turn the key switch "OFF", remove the key and set the parking brake (if equipped).

HOW TO OPERATE THE MACHINE

How To Clean A Floor



WARNING: Water solutions or cleaning materials used with this type of machine can leave wet areas on the floor surfaces. These areas can cause a dangerous condition for the operator or other persons. Always put CAUTION signs near the area you are cleaning.

To clean a floor, follow this procedure:

1. Set the parking brake (if equipped with machine.)
2. Put the water and a cleaning chemical in the clean solution tank.
3. Release the parking brake (if equipped with machine.)
4. Turn the key switch "ON".
5. Lower the squeegee.
6. Press the one touch control button to lower the brush head assembly and start vacuum motor.
7. Adjust the flow of clean solution to the flow desired.
8. Move the machine across the floor in the forward direction.
9. Make a 180° turn.

NOTE: When you make more passes across the floor, let the brush clean approximately 2 inches (5 cm) of the area already cleaned by the brush.


NOTE: During most cleaning procedures, apply and remove the solution in one operation.


How To Clean A Very Dirty Floor

To clean a very dirty floor, follow this procedure:

1. Apply solution to the floor.
2. Do not lower the squeegee. Shut vacuum motor "OFF".
3. Lower the brush or pad and scrub the floor.
4. Scrub the floor again with additional solution and lower the squeegee and turn vacuum motor "ON".
5. Pick up all the solution with the squeegee.

MAINTENANCE

 **WARNING:** Maintenance and repairs must be done by authorized personnel only.

 **WARNING:** Always empty the solution tank and recovery tank before doing any maintenance.

 **WARNING:** Keep all fasteners tight.

These Maintenance Procedures Must Be Done Every Day

Keep the machine clean, it will need fewer repairs and have longer life.

Do These Procedures When You Begin Your Work Period

1. Turn off key switch.
2. Disconnect AC power from battery charger (follow charger instructions).
3. Make sure the screen filter over the vacuum motor is clean and in position (see figure 21).
4. Make sure the valve on the recovery drain hose is clean. Tightly close the valve.
5. Make sure the brushes are in position and installed correctly
6. Check the installation of the squeegee and squeegee hose.
7. Make sure the solution drain/level indicator hose is secure on upper fitting.



Figure 21

MAINTENANCE

Do These Procedures When You End Your Work

1. Drain the solution tank (if necessary) (Figure 22) and the recovery tank (Figure 23). To drain the tanks, follow this procedure:

- a. Turn the key switch "OFF".
- b. Remove the drain hose from the back of the machine.
- c. Put the end of the hose over a drain or bucket.
- d. *Recovery Tank:*
Turn the drain cap counterclockwise to open.

Solution Tank:

When hose is lowered to water level, water will flow.

2. Flush the tanks. To flush the tanks, put clean water in the tank through the opening on top of the tank.
3. If a tank or drain hose has an obstruction, use a water hose to flush the tank or hose. Put the water hose into the drain hose.
4. Leave the tanks and the recovery drain valve open to dry in the air.
5. Check the squeegee blade. Use a cloth to clean the squeegee blade. If the squeegee blade is damaged or worn, turn or replace the blade.
6. Check and clean the solution lid gasket. Use a mild cleaning solution and rinse the parts in clean water.

Check the batteries and if necessary add distilled water after charging. The correct level is within 1/4 inch (1/2 cm) of the bottom of the tube in each cell.



CAUTION: Tap water may contain contaminants that will damage batteries. Batteries must be refilled with **DISTILLED WATER ONLY**.



WARNING: Lead acid batteries generate gases which can cause an explosion. **NO SMOKING.** Always wear eye protection and protective clothing when working near batteries.

Use a clean cloth and wipe the surface of the machine.

Charge the batteries. See the instruction in the section of this book called "How To Charge The Batteries".



Figure 22



Figure 23

MAINTENANCE**These Maintenance Procedures Must Be Done Every Week:**

- ⚠ WARNING:** Maintenance and repairs must be done by authorized personnel only. Always empty the solution tank and the recovery tank before doing any maintenance. Keep all fasteners tight.
- ⚠ WARNING:** Always wear eye protection and protective clothing when working near batteries. Do not put tools or other metal objects across the battery terminals or the tops of the batteries.
- ⚠ CAUTION:** To prevent damage to the machine, and discharge across the tops of the batteries, do not fill the batteries above the bottom of the tube in each cell. Wipe any acid from the machine or the tops of the batteries. Do not add acid to battery after installation.

NOTE: Always turn off key switch before servicing the machine.

- ⚠ WARNING:** Always wear eye protection and protective clothing when working near batteries. **NO SMOKING!**

1. To inspect batteries, tip up recovery tank to its full open position. See figure 24. To close the tank, slowly lower the tank to the closed position.

- ⚠ CAUTION:** Before raising the tank, be sure tank is empty.

- ⚠ WARNING:** Do not operate the machine while the recovery tank is in the open position. The tank can be accidentally bumped and it may slam shut.

2. Disconnect the batteries. Use a cloth and a solution of ammonia or bicarbonate of soda to wipe the top of the batteries. Clean the battery terminals. Reconnect the batteries.

3. Check the hoses for leaks, obstructions and other damage.



Figure 24

MAINTENANCE

Maintenance For The Squeegee

To remove the squeegee, follow this procedure:

1. Remove the squeegee assembly by loosening the two knobs that attach the squeegee to the machine. Pull the squeegee assembly off. See figure 25.
2. Inspect the squeegee blades.
3. If the blades are worn, unclamp bands and turn the blade so that a new edge is in the wiping position (see figures 25A and 25B).
4. Reinstall squeegee assembly on the machine.

Adjusting Squeegee Tilt

The tilt of the squeegee causes the rear blade to raise up in the center or on the ends, depending on which direction the tilt is changed. Turn the adjusting screw clockwise or counterclockwise (see figure 26), to achieve uniform squeegee blade flare.

⚠ WARNING: Maintenance and repairs must be done by authorized personnel only.

⚠ WARNING: Electrical repairs must be done by authorized personnel only.

Maintenance Procedures Must Be Done :

Contact a Nilfisk ALTO Authorized Service Center to perform these procedures.

Every 500 hrs (heavy) 1000 hrs (normal)

1. Check the carbon brushes in the electric motors.
2. Clean the battery terminals and connectors. Make sure all of the battery connections are tightened correctly.
3. Check all of the switches, controls, valves, hoses and gaskets.
4. Check and remove debris from the transaxle hubs.

Every 500 hrs (BOOST Only)

1. Replace the rubber isolators (see Brush Head Assembly Parts List section). The rubber isolators are considered wear items and must be replaced between 500 hrs (heavy) and 1000 hrs (normal).

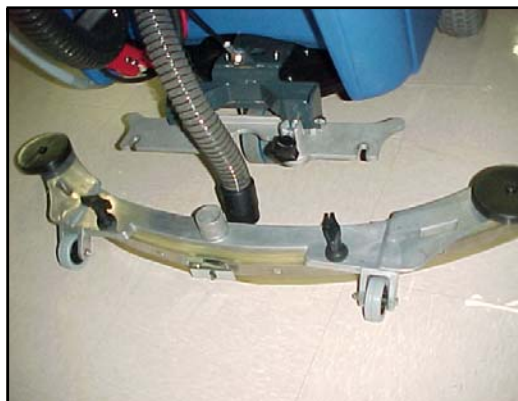


Figure 25



Figure 25A



Figure 25B

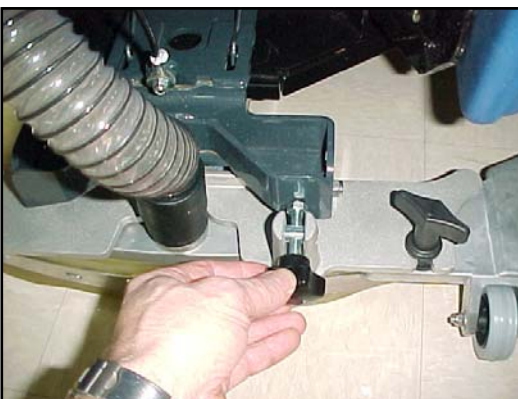


Figure 26

HOW TO CORRECT PROBLEMS IN THE MACHINE

PROBLEM	CAUSE	ACTION
The machine does not remove all the water from the floor.	<p>The squeegee is up.</p> <p>The vacuum tank is full.</p> <p>The screen filter is dirty.</p> <p>There is an obstruction or damage in the squeegee, squeegee hose or standpipe.</p> <p>The vacuum motor is not running.</p> <p>The squeegee hose is disconnected.</p> <p>The squeegee blade is damaged, worn, or incorrectly installed.</p> <p>The gasket on the cover of the recovery tank is damaged.</p> <p>The recovery drain hose valve is not closed.</p>	<p>Lower the squeegee.</p> <p>Drain the tank.</p> <p>Clean the screen filter.</p> <p>Remove the obstruction or repair the damage.</p> <p>Check for blown fuse. Have an authorized service person make repairs.</p> <p>Connect the hose.</p> <p>Turn or replace the squeegee blade. Correctly install the squeegee blade.</p> <p>Replace the gasket.</p> <p>Close valve.</p>
The batteries do not give the normal running time.	<p>The battery terminals are dirty or damaged.</p> <p>The electrolyte level is too low.</p> <p>The batteries are not fully charged.</p> <p>The charger is damaged.</p> <p>The battery is defective.</p> <p>The batteries are disconnected.</p>	<p>Clean the terminals and connectors. Replace the damaged cables. Charge the batteries.</p> <p>Add distilled water to each cell and charge the batteries.</p> <p>Charge the batteries for a full 16 hour charge.</p> <p>Have an authorized service person repair the charger.</p> <p>Have an authorized service person check voltage of each cell while discharging.</p> <p>Connect the batteries.</p>
The cleaning is not even.	<p>The scrub brushes or pads are worn.</p> <p>There is damage to the brush assembly, casters or the solution valve.</p> <p>One or both brush motors are not running.</p> <p>The solution level is low.</p>	<p>Replace the scrub brushes or pads.</p> <p>Have an authorized service person make the needed repairs.</p> <p>Check for tripped breaker, reset. Check for loose connections.</p> <p>Fill the solution tank.</p> <p>NOTE: If the motors continue to stop consult an authorized service person.</p>
The machine does not run.	The machine loses power.	<p>Reset the circuit breaker.</p> <p>Check wire connection to traverse motor.</p> <p>Replace the fuses.</p> <p>Check the batteries connections.</p> <p>Release parking brake (if installed)</p> <p>NOTE: If the motors continue to stop, consult an authorized service person.</p>

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Nilfisk ALTO

SCRUBTEC *BOOST*[®] 8

SCRUBTEC 866

SCRUBTEC 871

SCRUBTEC 871C

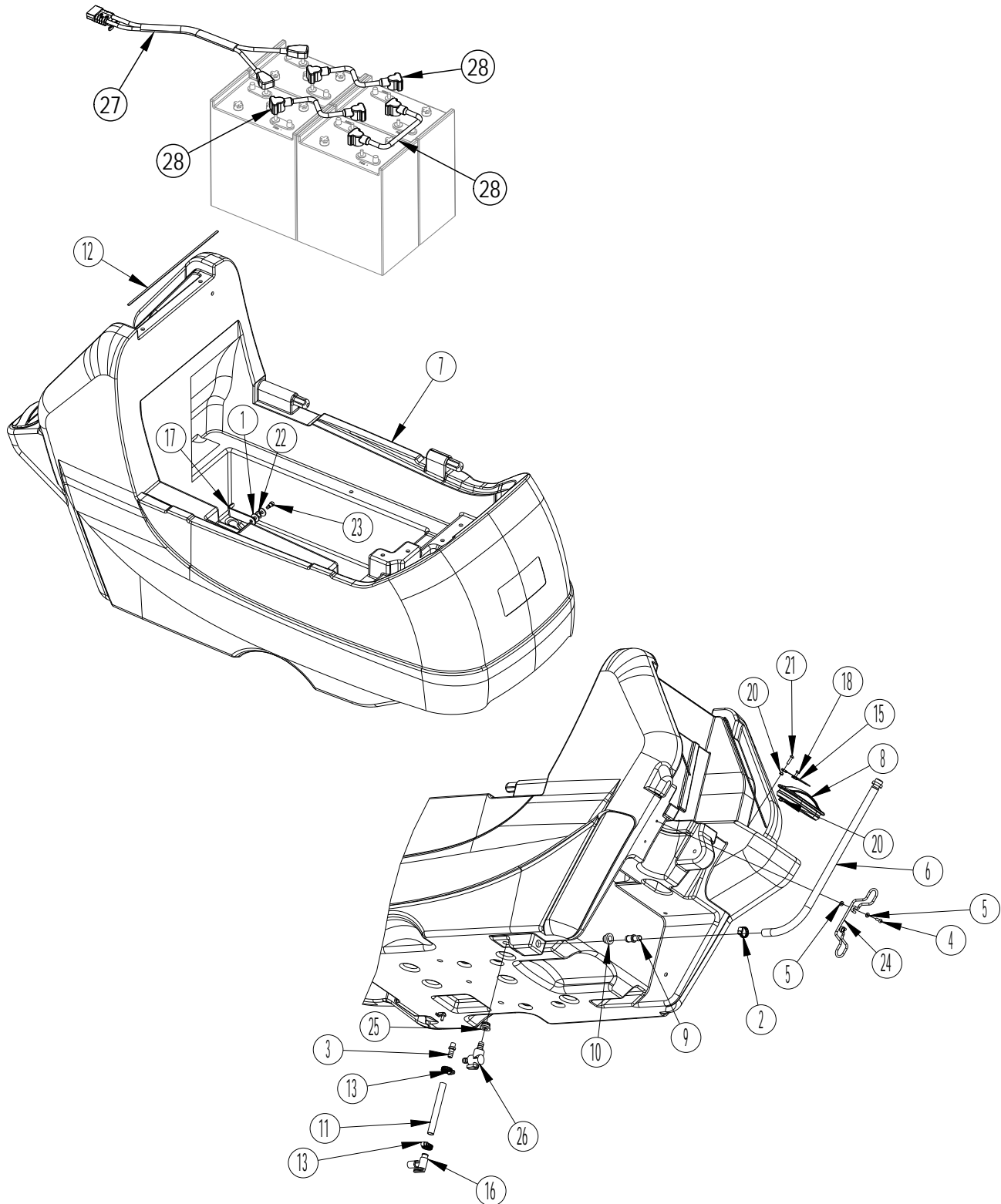
SCRUBTEC 886

Section II

Parts and Service Manual

(71492A)

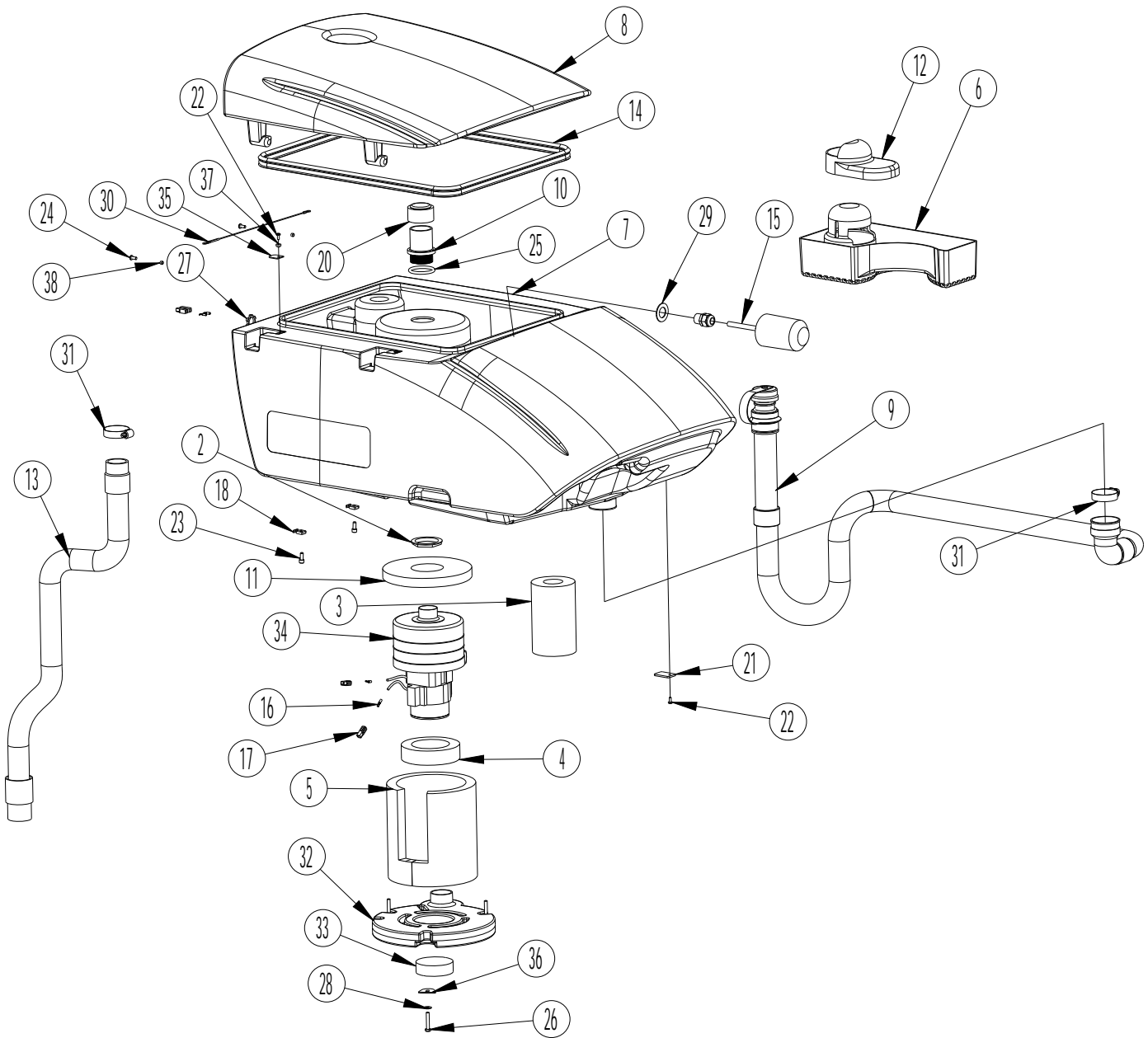
SOLUTION TANK ASSEMBLY



SOLUTION TANK ASSEMBLY

Item	Ref. No.	Qty	Description
1	170860	2	Washer, Flat 5/16
2	722030	1	Clamp, Hose
3	820207	1	Adapter Sol Hose
4	964004	2	Screw M5-.8 X 16mm Pn St Ph
5	980643	4	Washer 7/16 Od X .036 Thk
6	30792a	1	Hose, Level/Drain
7	30796a	1	Tank Solution
8	30804a	1	Lid, Sol. Rear Fill
9	30882a	2	Connector, Straight
10	31242a	2	Bushing
11	34704a	1	Hose, Clear Vinyl
12	39887a	3	Gasket Handle
13	50248a	2	Clamp, Hose
14	52548a	1	Tab, 1/4" Screw
15	54773a	1	Lanyard
16	59614a	1	Valve, Battery Drain
17	61930a	1	Rod, Rec Tank Prop
18	80176a	1	Screw, M5 X 12 P.H.S.S.
19	80179a	1	Screw, M6 X 15
20	80196a	2	Nut, M5- .8 Nylock S.S.
21	80205a	1	Screw, M5 X 0.8 X 20mm Pan Head
22	80317a	1	Washer Bowed .455 Id X .740 O.D.
23	88630a	1	Bolt, M6-1 X 8 X 10mm S.H.S.B.
24	9095149000	1	Cable Support
25	9095286000	1	Gasket
26	9097028000	1	Ball Valve 90°
27	56381850	1	Cable Batt 26 Univ Post
28	56381852	3	Cable Batt 16 Univ Post
[]	71496A	1	Label Nilfisk-Alto

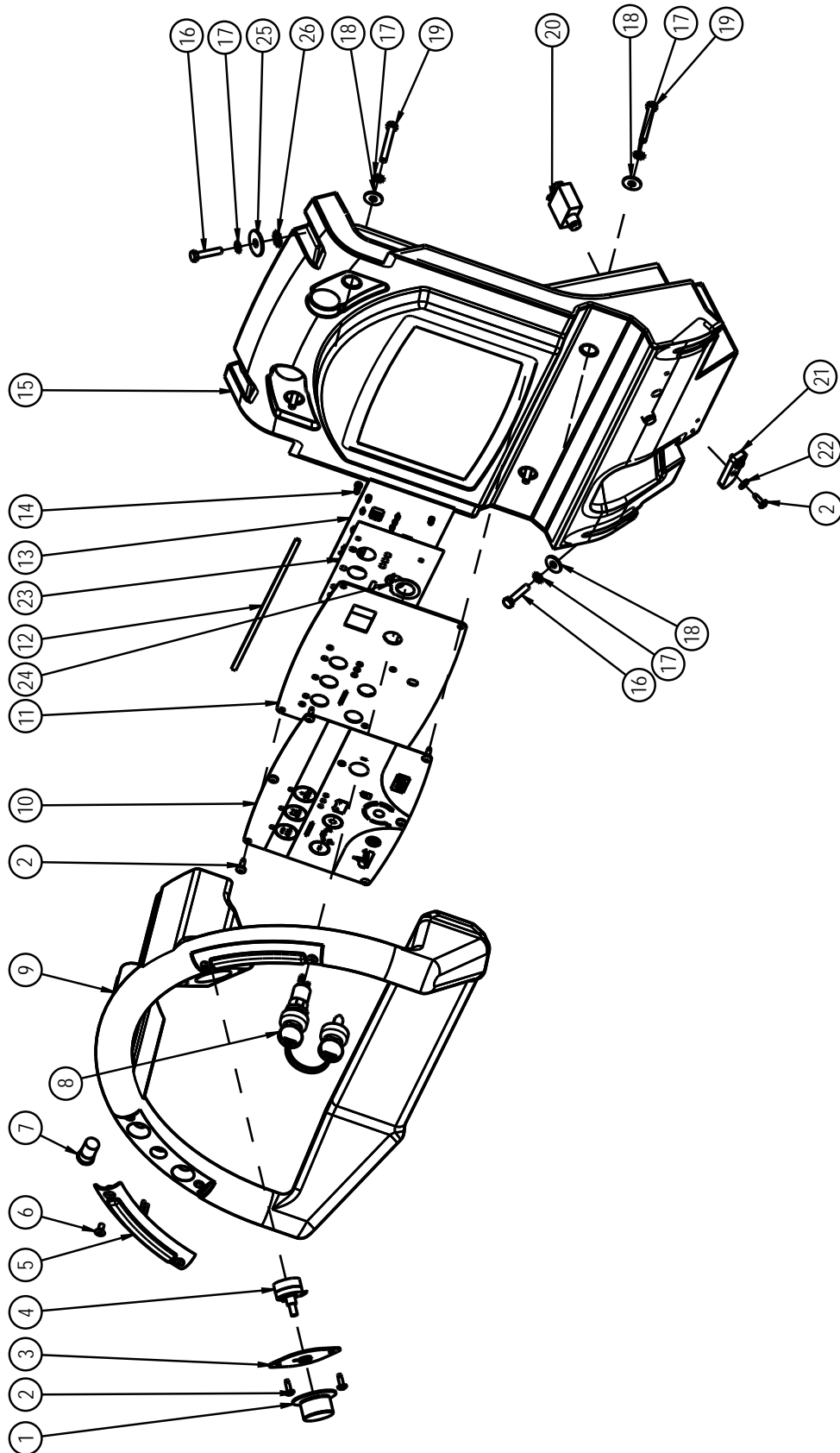
RECOVERY TANK ASSEMBLY



RECOVERY TANK ASSEMBLY

Item	Ref. No.	Qty	Description
1	699202	2	Wire Tie 935a
2	185USP	1	Nut Die Cast Alum 1-1/2 N
3	9096442000	1	Pipe,Acoustic Insulation 3 Stage
4	9096490000	1	Gasket, Vacuum Motor
5	9096491000	1	Panel, Acoustic Insulation
6	30791a	1	Screen
7	30797a	1	Recovery Tank
8	30798a	1	Recovery Tank
9	30799a	1	Drain Hose
10	30805a	1	Tube-Stand
11	30823a	1	Gasket Vacuum Motor
12	30827a	1	Lid, Tray Debris
13	30832a	1	Suction Hose
14	39718a	1	Gasket, Recovery Lid
15	40002a	1	Switch, Float Electrical
16	41809a	2	Contact, Housing Connector
17	43401a	2	Housing, Connector
18	52548a	2	Tab, 1/4" Screw
19	53371a	2	Clamp, Hose ("P" Trap)
20	58069a	1	Screen, Vac Filter
21	60367a	2	Plate Retainer
22	80057a	4	Screw, M4-.7x10
23	80179a	2	Screw, M6 X 15
24	80363a	2	Screw M5-.8x12 Bt
25	80382a	1	O-Ring, Retainer
26	80410a	3	Screw, 6mm X 1.00 X 35mm Lg Hex
27	82100a	1	Locknut, 1/2" Conduit
28	87026a	3	Washer, 1/4 Flat S.S.
29	87612a	1	Seal Washer 1700 Bt li
30	9096634000	1	Stop Tank Cable
31	54774a	2	Clamp, Hose 14/32-52
32	9096051000	1	Vacuum Motor Cover
33	9096672000	1	Filter
34	9097466000	1	Motor Vacuum 3ST 500W CPL
35	9096643000	2	Tank Cover Plate
36	9096638000	3	Vacuum Cover Plate
37	9096679000	1	Spacer
38	56151092	2	Bushing
[]	71451A	2	Label, Scrubtec BOOST 8
[]	71447A	2	Label, Scrubtec 866
[]	71448A	2	Label, Scrubtec 871
[]	71450A	2	Label, Scrubtec 886
[]	71449A	2	Label, Scrubtec 871C

HANDLE ASSY - DISC AND BOOST MODELS

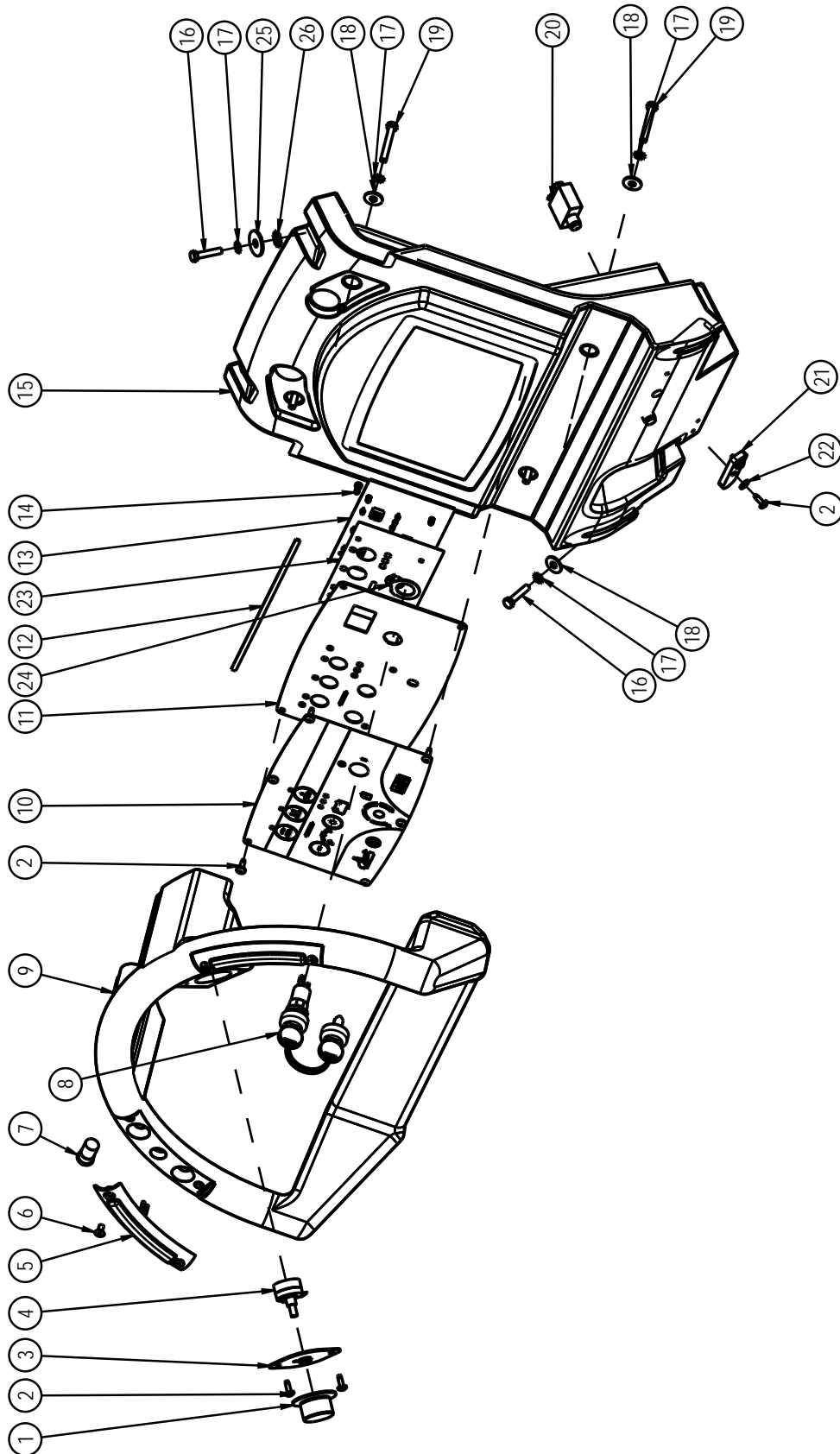


HANDLE ASSY - DISC AND BOOST MODELS

Item	Ref. No.	Qty	Description
1	50962A	1	Knob, Speed Control
2	962957	10	Screw, 10-16 x 1/2 Self Tap
3	61922A	1	Retainer, 5K Potentiometer
4	41078A	1	Harness, Potentiometer Asm.
5	11131A	2	Switch, Control Handle Asm.
6	80192A	4	Screw, M5-0.8 x 10MM Oval Phil.
7	52556A	1	Switch, Push Button
8	1462888000	1	Switch, Key
9	30785A	1	Handle, Control
10	71425A	1	Label, Control Panel
11	61929A	1	Panel, Control
12	39886A	1	Gasket, Console 9.50
13	56382501	1	Function Board Service Kit
14	50267A	4	Screw, 8-32 x .375
15	30784A	1	Housing, Control
16	87902A	4	Screw, 6MM x 1.00 x 30MM LG Hex
17	980614	8	Washer, 1/4" Starlock, External
18	87007A	6	Washer Control Shaft
19	88628A	4	Screw, 6MM x 1.00 x 45MM LG Hex
20	41431B	2	Breaker, 35A Circuit
21	39888A	1	Retainer, Drain Hose
22	980643	2	Washer, 7/16 OD x .036 THK
23	30831A	1	Insulator, Mylar
24	61948A	1	Washer, Tab Ground
25	980205	2	Washer, .31 I.D. x 1.06 O.D.
26	980666	2	Washer, 3/8 Starlock
[]	41063A	1	Harness, Key Switch
[]	56469382	4	Term .25 Ins Tab

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HANDLE ASSY - CYLINDRICAL MODEL

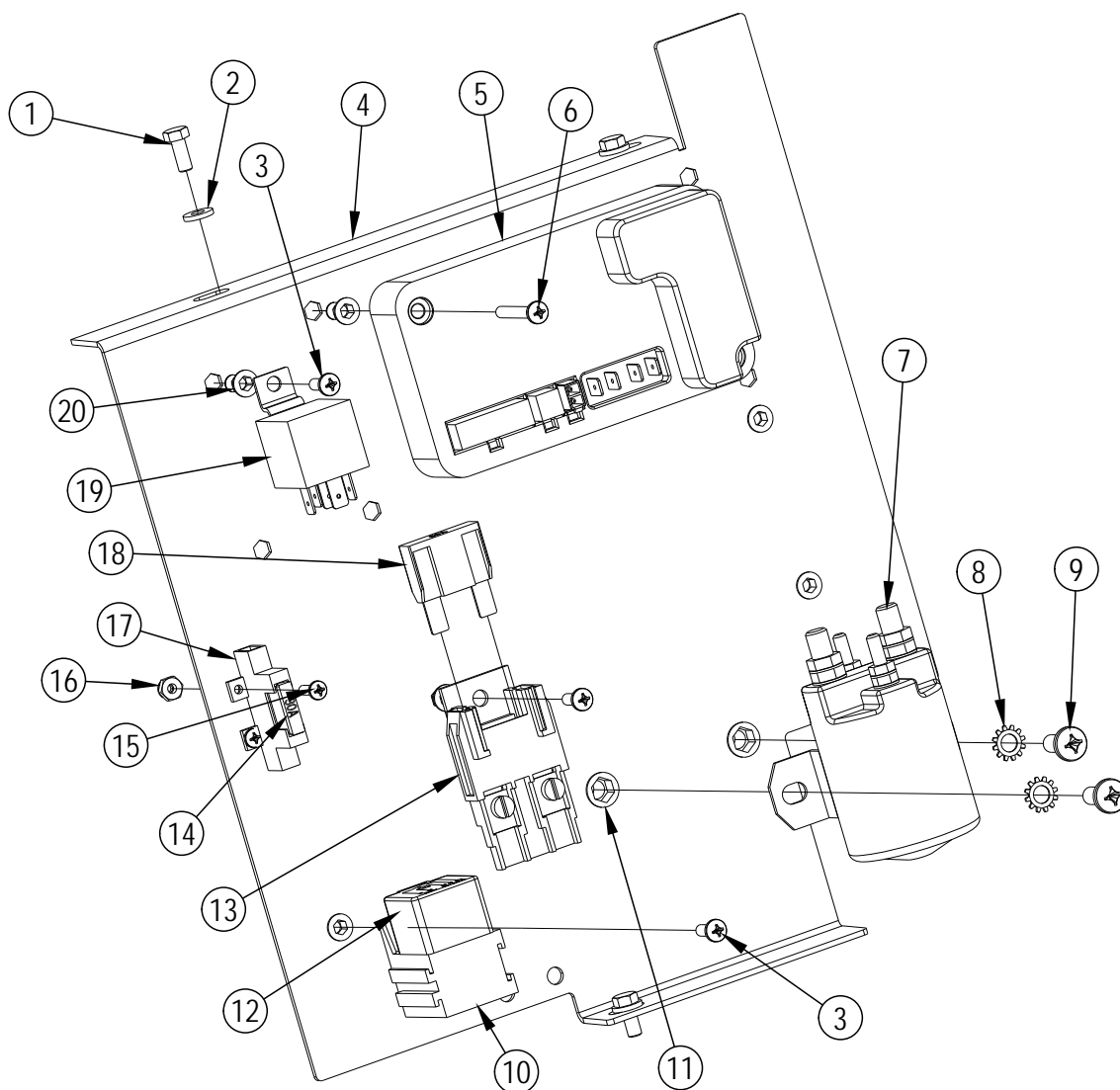


HANDLE ASSY - CYLINDRICAL MODEL

Item	Ref. No.	Qty	Description
1	50962A	1	Knob, Speed Control
2	962957	10	Screw, 10-16 x 1/2 Self Tap
3	61922A	1	Retainer, 5K Potentiometer
4	41078A	1	Harness, Potentiometer Asm.
5	11131A	2	Switch, Control Handle Asm.
6	80192A	4	Screw, M5-0.8 x 10MM Oval Phil.
7	52556A	1	Switch, Push Button
8	1462888000	1	Switch, Key
9	30785A	1	Handle, Control
10	71484A	1	Label, Control Panel Cyl.
11	61929A	1	Panel, Control
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19	88628A	4	Screw, 6MM x 1.00 x 45MM LG Hex
20	41422B	2	Breaker, 25A Circuit, Traverse
21	39888A	1	Retainer, Drain Hose
22	980643	2	Washer, 7/16 OD x .036 THK
23	30831A	1	Insulator, Mylar
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26	980666	2	Washer, 3/8 Starlock
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[]	56469382	4	Term .25 Ins Tab

[] = Not Shown

ELECTRICAL BOX ASSEMBLY



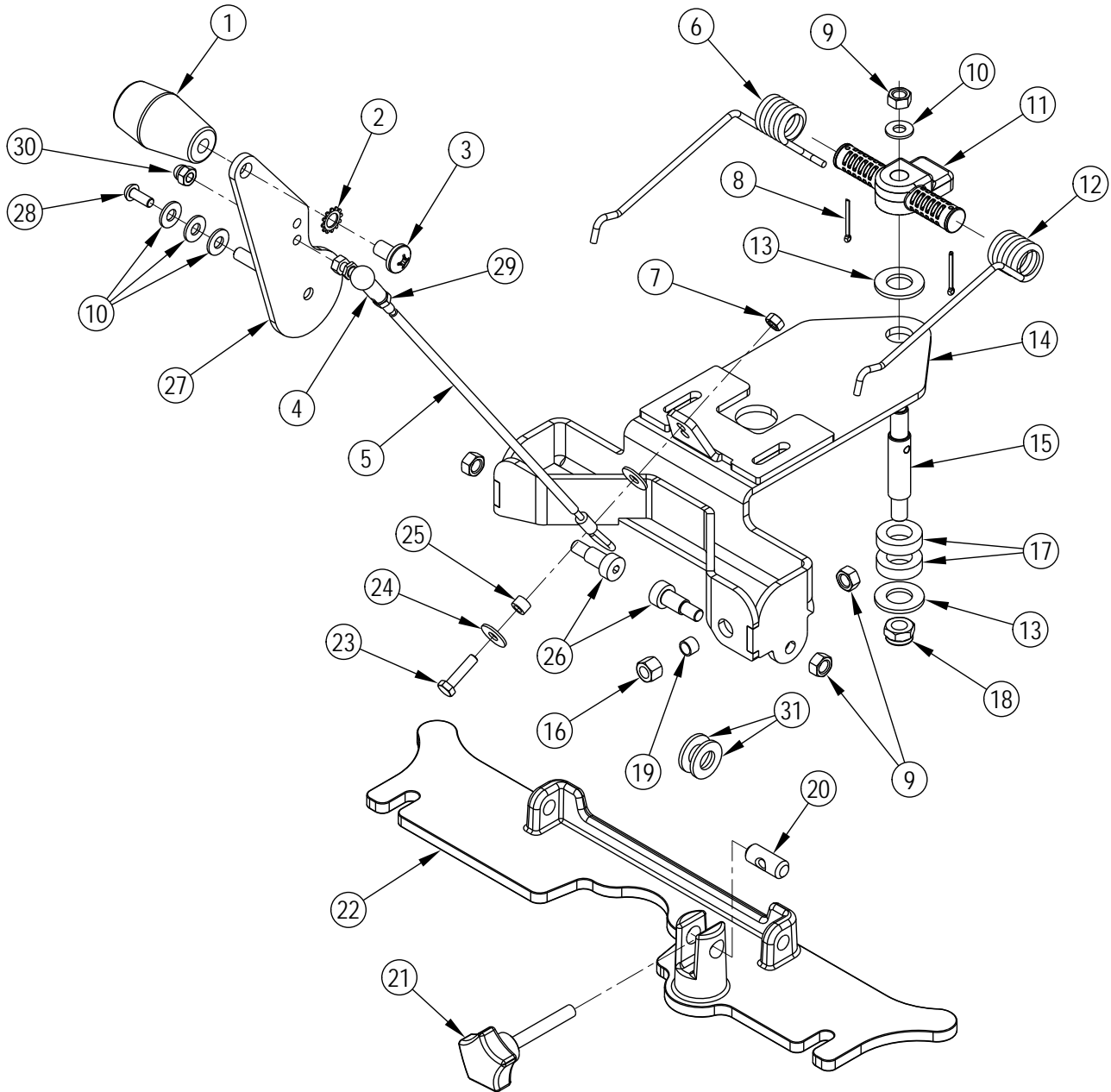
ELECTRICAL BOX ASSEMBLY

Item	Ref. No.	Qty	Description
1	80249A	3	Screw, M5-.8 x 12MM Hex
2	980643	3	Washer, 7/16 OD x .036 THK
3	962027	3	Screw, 8-32 x 1/2 P.H.
4	61933A	1	Plate, Electrical
5	41068B	1	Controller, I-Drive 24V Traverse
6	80380A	2	Screw, 8-32 x 1 1/4" P.H.
7	56412179	1	Contact 24 VDC
8	980614	2	Washer, 1/4" Starlock External
9	85391A	2	Screw, 1/4-20 x .625 Pan Hd.
10	Ref.	1	Relay Holder (included in 41061A Harness)
11	54764A	2	Insert, Hex 1/4-20 UNC
12	41075A	1	Relay (Vacuum)
13	Ref.	1	Fuse Holder (included in 41061A Harness)
14	41073A	1	Fuse, 30A (Vacuum / see WARNING below)
15	962979	2	Screw, 6-32 x 1/2 PN ST PH
16	920056	2	Nut, 6-32 E.S.N.A. Nylock
17	Ref.	1	Fuse Holder (included in 41061A Harness)
18	41074A	1	Fuse, 60A (Traverse Motor / see WARNING below)
19	41069B	1	Relay, i-Drive 24V Traverse
20	54763A	7	Insert, Hex #8-32 UNC
[]	41065B	1	Harness, Traverse
[]	41061A	1	Harness, Machine

**WARNING:**

To reduce the risk of fire, when replacing fuse, replace only with same type and rating of fuse that comes with machine.

SQUEEGEE LIFT HOLDER ASSEMBLY

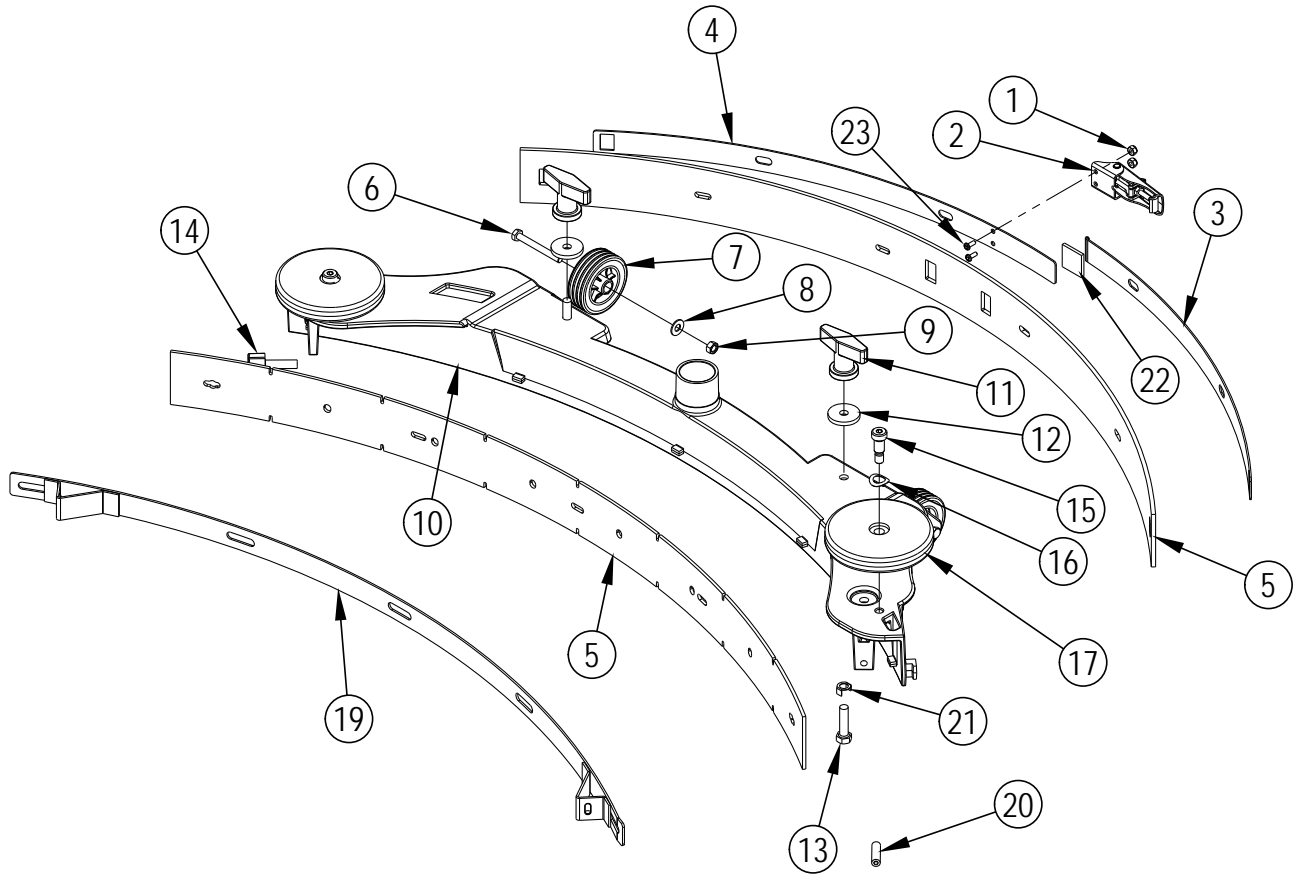


SQUEEGEE LIFT HOLDER ASSEMBLY

Kit	Item	Ref. No.	Qty	Description
	1	52557A	1	Knob, Lift
	2	980666	1	Washer, 3/8 Starlock External
	3	85389A	1	Screw, 3/8-16 x 5/8
	4#	1458479000	1	Joint, Ball M6
	5	9097366000	1	Cable, Lift
	6	9096537000	1	Spring, Squeegee Left
	7	80199A	1	Nut, M6-1.00 Nylock S.S.
	8	925044	2	Pin, Cotter .094 x 1.00
	9	80198A	4	Nut, M8-1.25 Nylock S.S.
	10	980651	4	Washer, 5/16 Flat
	11	9096052000	1	Support, Spring
	12	9096538000	1	Spring, Squeegee Right
	13	87613A	2	Washer, Flat .22 x .64 x .10 Nylon
	14	61953A	1	Plate, Squeegee Support
	15	9096497000	1	Pin, Squeegee Mounting
	16	80163A	1	Nut, M8-1 Hex
	17	38708A	2	Spacer
	18	80223A	1	Nut, M10-1.5 Nylock
	19	L08602422	1	Spacer
	20	L08601509	1	Pin
	21	54699A	1	Knob, M8 x 55
	22	9096045000	1	Bracket, Squeegee
	23	964054	1	Screw, M6-1 x 25MM Hex
	24	87007A	2	Washer
	25	1462258000	1	Spacer
	26	9096495000	2	Screw, Socket Head
	27	61952A	1	Lever, Squeegee Lift
	28	80179A	1	Screw, M6 x 15 Pan
	29	80171A	1	Nut, M6 Hex
	30	88640A	1	Nut, M6-1 Acorn
	31#	80424A	2	Washer, Flat

= Revised or new since last update

SQUEEGEE ASSY - SCRUBTEC 866



SQUEEGEE ASSY - SCRUBTEC 866

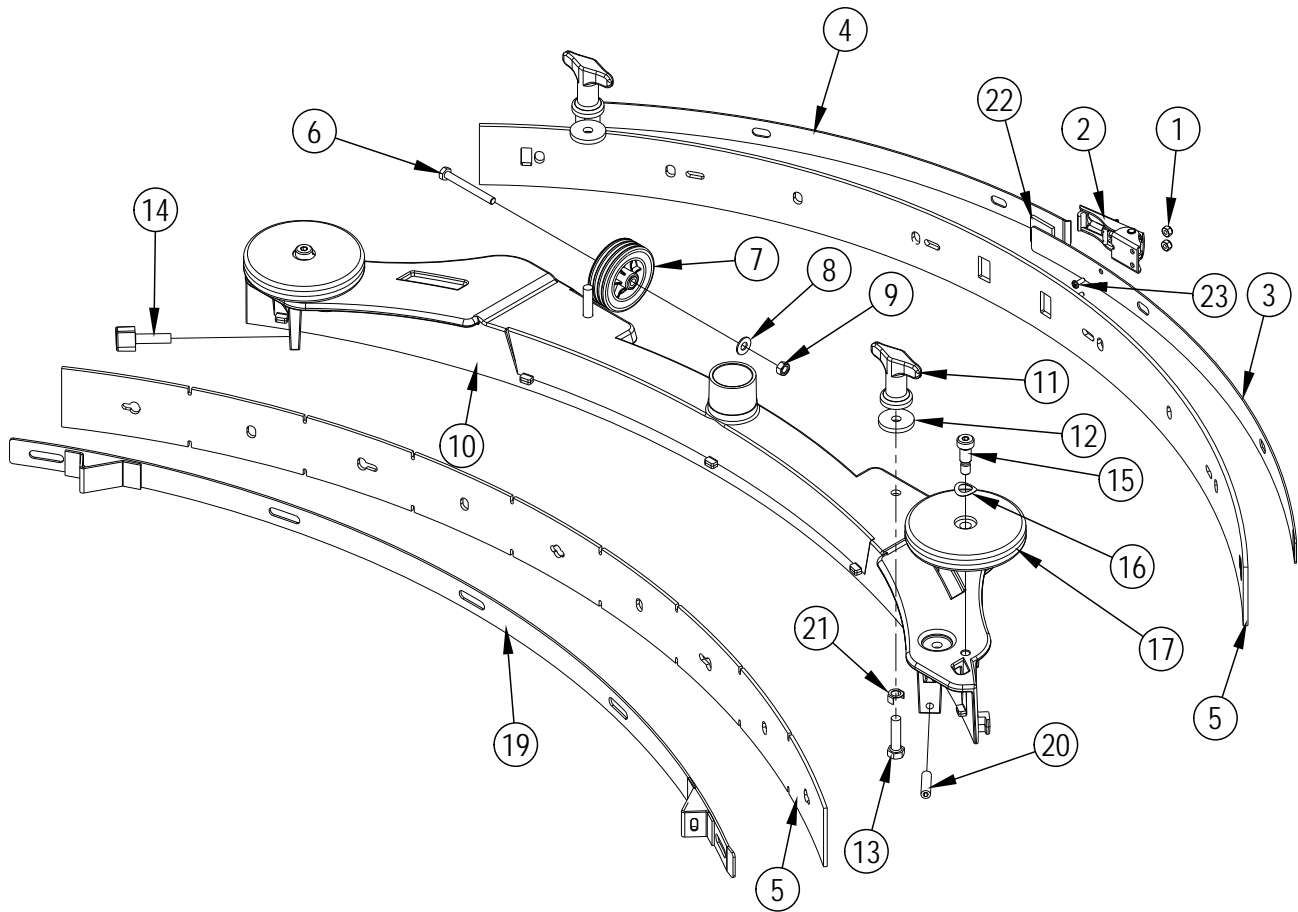
Item	Ref. No.	Qty	Description
	10398A	1	Squeegee Assembly NOTE 1
1	56002907	2	Nut Hex Nyl Loc SS 6-32
2	9098321000	1	Latch Squeegee
3	9097356000	1	Support, Squeegee
4	9097357000	1	Strap, Wldmt., Squeegee
5	11333A	1	Squeegee Blade Kit 32.5 Urethane NOTE 2
6	88629A	2	Screw, M6-1 x 55MM Hex
7	9096505000	2	Wheel, Squeegee
8	87026A	2	Washer, 1/4 Flat S.S.
9	80199A	2	Nut, M6 x 1.00 Nylock S.S.
10		1	Frame, 32.5" Squeegee NOTE 3
11	56370711	2	Nut Thumb
12	9096682000	2	Washer, Rubber
13	962157	2	Screw, 5/16-18 x 1.25 Hex
14	54647A	1	Knob, M8 x 30
15	88609A	2	Screw, 5/16 x 3/8 x 5/8 SHSS
16	80317A	2	Washer, Bowed .455 ID x 7.40 OD
17	30048A	2	Guide, Wheel
19	60465A	1	Strap, Wldmt., Squeegee
20	88632A	1	Screw, Set M8-1.25 x 30MM
21	60564A	2	Shim, Screw
22	39717A	1	Pad, Squeegee
23	56002909	2	Scr Pan Phil SS 6-32 X .38

NOTE 1: Squeegee Assembly includes Urethane blades.

NOTE 2: Squeegee Blade Kit includes both front and rear squeegee blades.

NOTE 3: The squeegee frame is not available for sale. If you need to replace the squeegee frame please order the entire squeegee assembly 10398A.

SQUEEGEE ASSY - SCRUBTEC 871, 871C AND BOOST 8



SQUEEGEE ASSY - SCRUBTEC 871, 871C AND BOOST 8

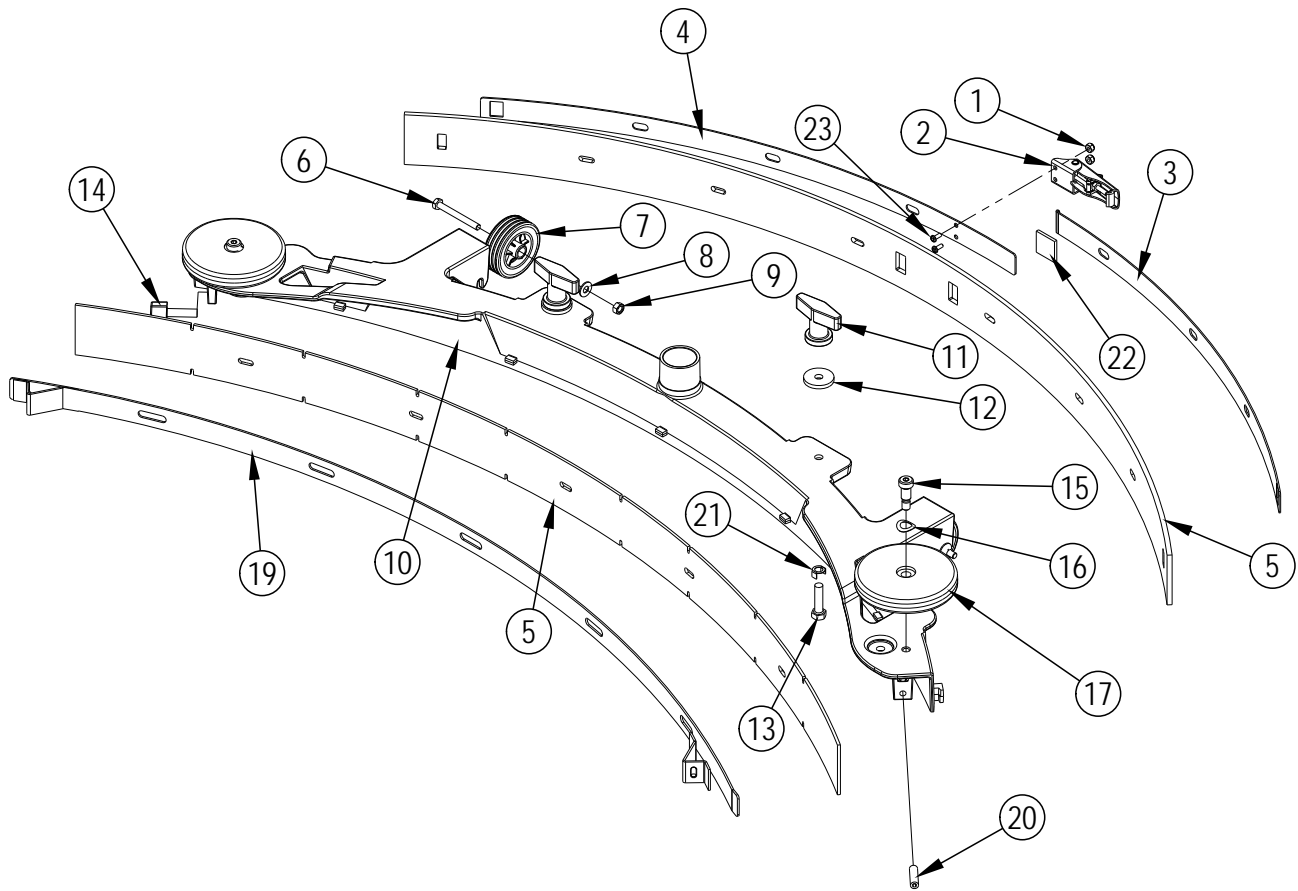
Item	Ref. No.	Qty	Description
	10399A	1	Squeegee Assembly NOTE 1
1	56002907	2	Nut Hex Nyl Loc SS 6-32
2	9098321000	1	Latch Squeegee
3	9097361000	1	Support, Squeegee
4	9097362000	1	Strap, Wldmt., Squeegee
5	11332A	1	Squeegee Blade Kit 35 Urethane NOTE 2
6	88629A	2	Screw, M6-1 x 55MM Hex
7	9096505000	2	Wheel, Squeegee
8	87026A	2	Washer, 1/4 Flat S.S.
9	80199A	2	Nut, M6 x 1.00 Nylock S.S.
10		1	Frame, 35" Squeegee NOTE 3
11	56370711	2	Nut Thumb
12	9096682000	2	Washer, Rubber
13	962157	2	Screw, 5/16-18 x 1.25 Hex
14	54647A	1	Knob, M8 x 30
15	88609A	2	Screw, 5/16 x 3/8 x 5/8 SHSS
16	80317A	2	Washer, Bowed .455 ID x 7.40 OD
17	30048A	2	Guide, Wheel
19	60466A	1	Strap, Wldmt., Squeegee
20	88632A	1	Screw, Set M8-1.25 x 30MM
21	60564A	2	Shim, Screw
22	39717A	1	Pad, Squeegee
23	56002909	2	Scr Pan Phil SS 6-32 X .38

NOTE 1: Squeegee Assembly includes Urethane blades.

NOTE 2: Squeegee Blade Kit includes both front and rear squeegee blades.

NOTE 3: The squeegee frame is not available for sale. If you need to replace the squeegee frame please order the entire squeegee assembly 10399A.

SQUEEGEE ASSY - SCRUBTEC 886



SQUEEGEE ASSY - SCRUBTEC 886

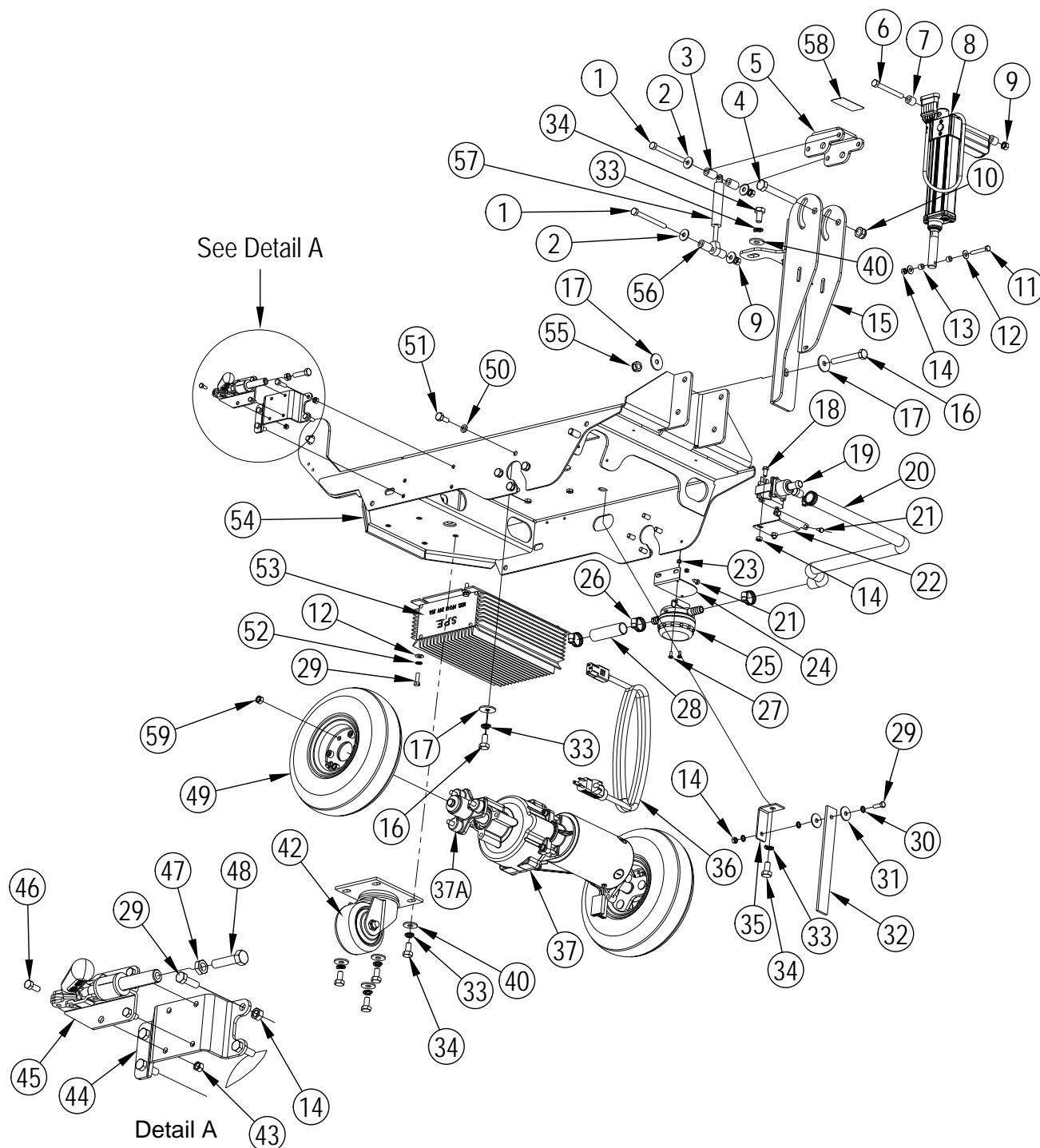
Item	Ref. No.	Qty	Description
	10748A	1	Squeegee Assembly NOTE 1
1	56002907	2	Nut Hex Nyl Loc SS 6-32
2	9098321000	1	Latch Squeegee
3	9097375000	1	Support, Squeegee
4	9097376000	1	Support, Squeegee
5	11331A	1	Squeegee Blade Kit 41 Urethane NOTE 2
6	88629A	2	Screw, M6-1 x 55MM Hex
7	9096505000	2	Wheel, Squeegee
8	87026A	2	Washer, 1/4 Flat S.S.
9	80199A	2	Nut, M6 x 1.00 Nylock S.S.
10		1	Frame, 42" Squeegee NOTE 3
11	56370711	2	Nut Thumb
12	9096682000	2	Washer, Rubber
13	962157	2	Screw, 5/16-18 x 1.25 Hex
14	54647A	1	Knob, M8 x 30
15	88609A	2	Screw, 5/16 x 3/8 x 5/8 SHSS
16	80317A	2	Washer, Bowed .455 ID x 7.40 OD
17	30048A	2	Guide, Wheel
19	60546A	1	Strap, Wldmt., Squeegee
20	88632A	1	Screw, Set M8-1.25 x 30MM
21	60564A	2	Shim, Screw
22	39717A	1	Pad, Squeegee
23	56002909	2	Scr Pan Phil SS 6-32 X .38

NOTE 1: Squeegee Assembly includes Urethane blades.

NOTE 2: Squeegee Blade Kit includes both front and rear squeegee blades.

NOTE 3: The squeegee frame is not available for sale. If you need to replace the squeegee frame please order the entire squeegee assembly 10748A.

FRAME ASSEMBLY



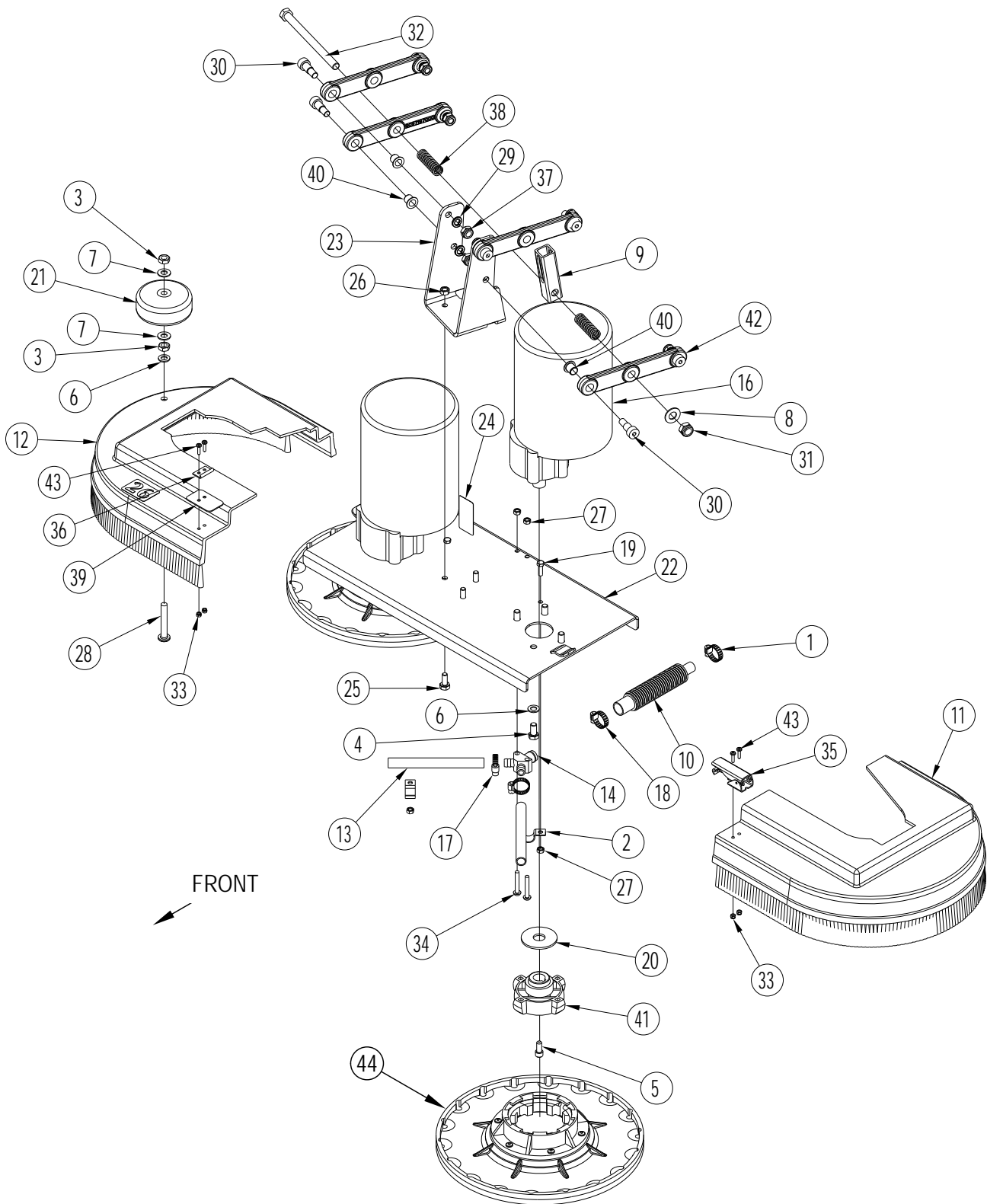
FRAME ASSEMBLY

Item	Ref. No.	Qty	Description	Item	Ref. No.	Qty	Description
1	56003390	2	Scr Hex M8x1.25x90mm	30	980614	3	Washer, 1/4" Starlock External
2	170860	4	Washer, Flat 5/16	31	980205	2	Washer, .31 ID x 1.06 OD
3	61937A	2	Spacer, .590 OD x .328 ID	32	69639A	1	Strap, Static
4	88620A	1	Screw, M12 x 90M Hex	33	88612A	10	Washer, Lock M10
5	9097456000	1	Lever	34	88614A	10	Screw, M10-1.5 x 20MM
6	88635A	1	Screw, M8 x 75 Hex Head	35	61949A	1	Bracket, Ground Strap
7	9096112000	2	Spacer	36	41081A	1	Cord, Charger NEMA NOTE 1
8	9097402000	1	Actuator (for all models except BOOST)	37	56381750	1	Transaxle NOTE 3 / TSBCL2010-25 / TSBCL2009-02
	40280A	1	Actuator (for BOOST 28/32 models only)	[]	40628A	1	Carbon Brushes, Transaxle (Set)
9	80198A	3	Nut, M8-1.25 Nylock S.S.	[]	56382670	1	Kit Transaxle Motor
10	88618A	1	Nut, M12 Nylon Insert	37A	56380158	2	Flange Kit
11	88626A	1	Screw, M6-1 x 40MM Hex	40	88611A	6	Washer, Flat M10
12	87026A	6	Washer, 1/4 Flat S.S.	42	56112308	1	Caster-Swivel 4.00 X 2.00
13	1462258000	2	Spacer	43	80196A	4	Nut, M5-.8 Nylock SS NOTE 4
14	80199A	8	Nut, M6-1.00 Nylock S.S.	44	61934A	1	Bracket, Brake NOTE 4
15	9097368000	1	Support, Jack Motor	45	54772A	1	Clamp, Toggle Straight Line NOTE 4
16	88616A	1	Screw, M10 x 75M Hex	46	80249A	4	Screw, M5-.8 x 12MM Hex NOTE 4
17	87054A	5	Washer Fender .375	47	920160	1	Nut, 5/16 Jam Hex NOTE 4
18	80214A	2	Screw, M6 x 1 x 12	48	962157	1	Screw, 5/16-18 x 1.25 Hex Hd NOTE 4
19	59789A	1	Valve, Solution	49	60580A	2	Wheel, 10" Foam Filled
20	30828A	1	Hose, Clear x 25.00 Long	50	980652	7	Washer, 5/16 Lock
21	88624A	4	Screw, M5 x 12MM Hex Self Tap	51	80183A	7	Bolt, M8-1.25 x 20, Hex
22	61932A	1	Bracket, Solution Valve	52	980657	4	Washer, Lock 1/4
23	88623A	2	Nut, M4-.7 Nylock Insert	53	56382504	1	Charger, Battery NOTE 1 / TSBCL2009-04
24	9097370000	1	Bracket, Filter	54	56112727	1	Chassis Weldt
25	9097404000	1	Filter, Water	55	80223A	1	Nut, M10-1.5 Nylock
26	722030	4	Clamp, Hose	56	9096113000	2	Spacer
27	80057A	2	Screw, M4-.7 x 10	57	54689A	1	Gas Spring 500N
28	30829A	1	Hose, Clear x 3.00 Long	58	71017A	1	Label, Moving Parts
29	57994A	9	Screw, M6-1 x 20	[]	41062A	1	Harness Chrg Jumper NOTE 2
				[]	40512B	1	Charger Battery 25 Amp NOTE 2
				[]	40297A	1	Cable Charger Adapter1 NOTE 2
				[]	699202	3	Tie-Wire

[] = Not Shown

NOTE 1: Only used on models with on-board charger.**NOTE 2:** Only used on models without on-board charger.**NOTE 3:** Transaxle 56380160 is obsolete and replaced by Transaxle Kit 56381750**NOTE 4:** Optional Brake Kit 56112221.

BRUSH HEAD ASSY - SCRUBTEC 866

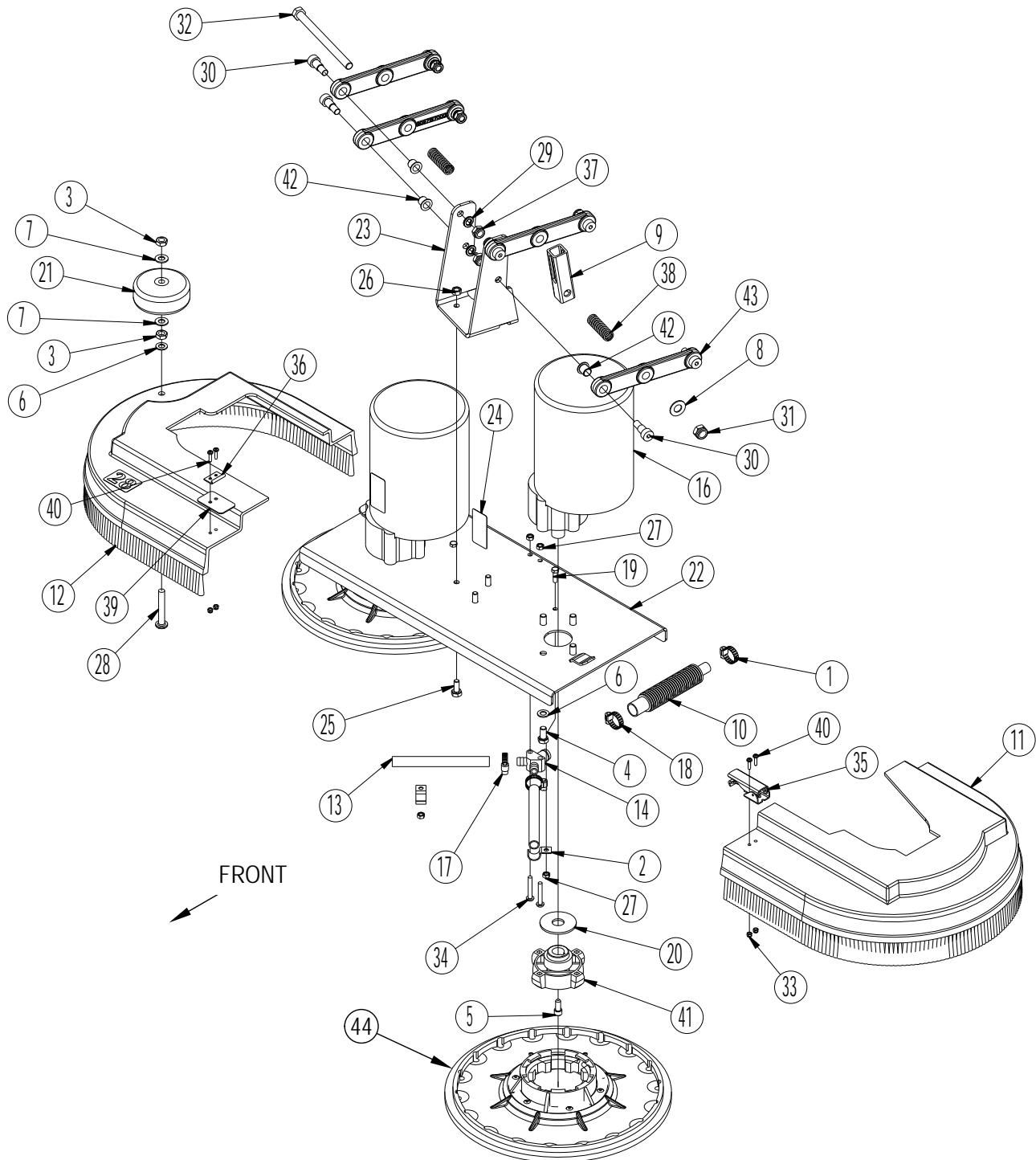


BRUSH HEAD ASSY - SCRUBTEC 866

Item	Ref. No.	Qty	Description
1	722030	1	Clamp, Hose
2	782002	2	Clamp, Manifold
3	920248	2	Nut, 3/8-16. Esna, Jam
4	962244	8	Screw, 3/8-16 X .75 Hex
5	962714	2	Screw, Gimble Mount
6	980638	9	Washer, 3/8 Lock
7	980645	2	Washer, 3/8" S.A.E. Flat
8	980648	1	Washer 17/32 X 1 1/16 Plain
9	56109717	1	Tube Jack Motor
10	30412A	1	Hose, Solution
11	30661A	1	Brush Housing L.H.
12	30662A	1	Brush Housing R.H.
13	34705A	2	Hose, Solution 6.00" Lg.
14	38014A	1	Splitter, Solution
[15]	40645A	4	Connector, Housing
16	44809B	2	Motor, Brush
17	50248A	2	Clamp, Hose
18	53571A	1	Clamp, Hose
19	57994A	2	Screw, M6- 1 X 20
20	59856A	2	Washer, Rubber
21	59950A	1	Wheel, Guide 3 1/2"
22	61925A	1	Plate, 26" Brush Wldmt
23	61926A	1	Bracket, Head Lift
24	71017A	2	Label, Moving Parts
25	80183A	3	Bolt, M8-1.25 X 20, Hex
26	80198A	3	Nut, M8 -1.25 Nylock S.S.
27	80199A	4	Nut, M6 -1.00 Nylock S.S.
28	85610A	1	Screw, 3/8-16 X 2.5" P.H.
29	88612A	8	Washer, Lock M10
30	88617A	8	Screw, M10xm12x16mm S.B.S.H.
31	88618A	1	Nut, M12 Nylon Insert
32	88619A	1	Screw, M12-1.75 X 160mm Hex
33	88623A	4	Nut, M4-.7 Nylock Insert
34	88627A	2	Screw, M6-1 X 40mm Ph
35	55721A	1	Draw Latch
36	55451A	1	Keeper, Latch
37	80223A	8	Nut, M10-1.5 Nylock
38	E04016	2	Spring
39	69186A	1	Tab, Latch, Brush
40	9097008000	8	Bush Flanged Gfm 1214-15
41	56382665	2	Gimbal-Collar Assembly
42	56382618	4	Lever Kit
43	964002	4	Screw, M4-.7x16mm Ph
44	38035A	2	Driver Pad 13 Gimbal

[] = Not Shown

BRUSH HEAD ASSY - SCRUBTEC 871

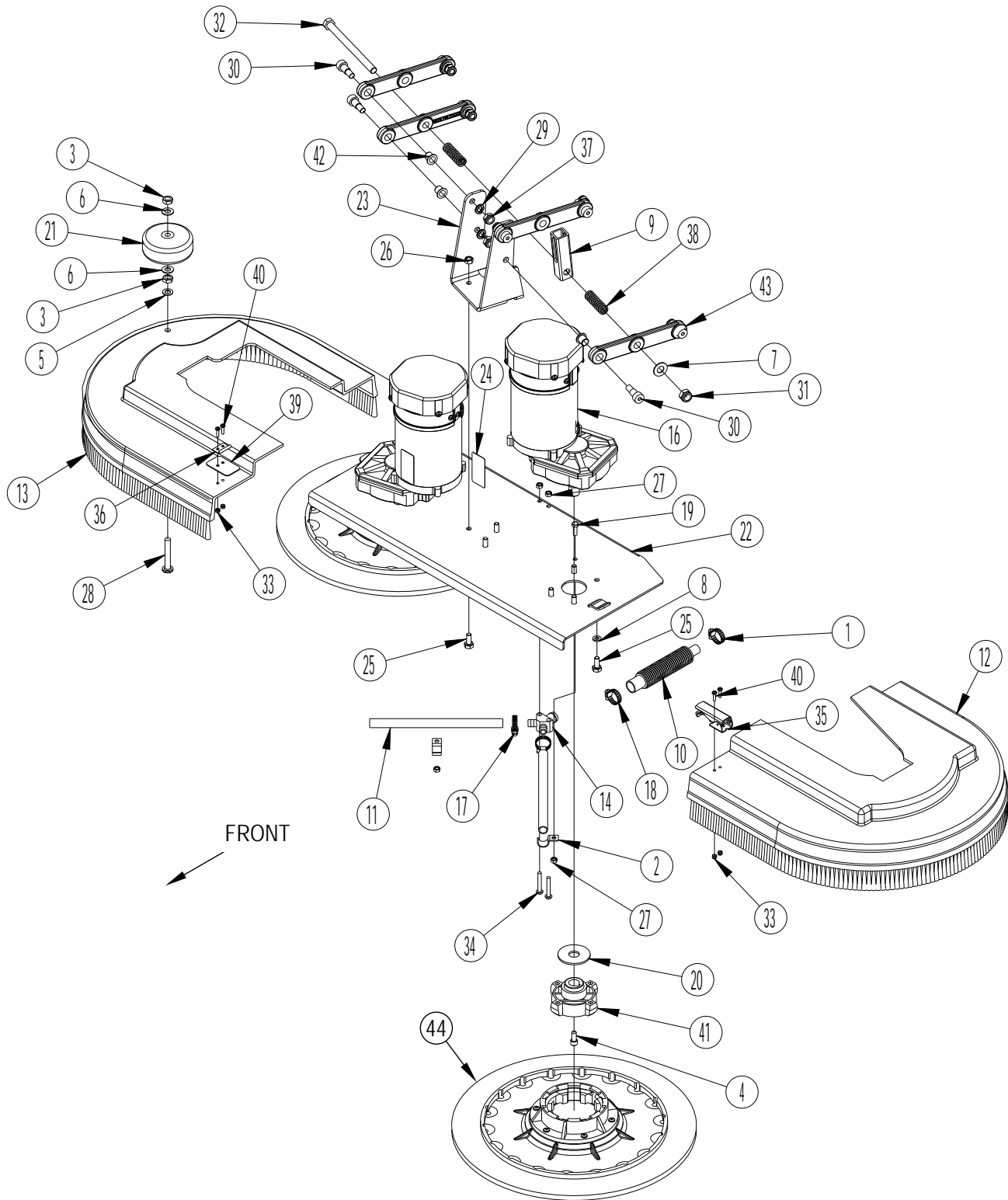


BRUSH HEAD ASSY - SCRUBTEC 871

Item	Ref. No.	Qty	Description
1	722030	1	Clamp, Hose
2	782002	2	Clamp, Manifold
3	920248	2	Nut, 3/8-16. Esna, Jam
4	962244	8	Screw, 3/8-16 X .75 Hex
5	962714	2	Screw, Gimble Mount
6	980638	9	Washer, 3/8 Lock
7	980645	2	Washer, 3/8" S.A.E. Flat
8	980648	1	Washer 17/32 X 1 1/16 Plain
9	56109717	1	Tube Jack Motor
10	30412A	1	Hose, Solution
11	30574A	1	Brush Housing L.H.
12	30575A	1	Brush Housing R.H.
13	34705A	2	Hose, Solution 6.00" Lg.
14	38014A	1	Splitter, Solution
[15]	40645A	4	Connector, Housing
16	44809B	2	Motor, Brush
17	50248A	2	Clamp, Hose
18	53571A	1	Clamp, Hose
19	57994A	2	Screw, M6- 1 X 20
20	59856A	2	Washer, Rubber
21	59950A	1	Wheel, Guide 3 1/2"
22	61924A	1	Plate, 28" Brush Wldmt
23	61926A	1	Bracket, Head Lift
24	71017A	2	Label, Moving Parts
25	80183A	3	Bolt, M8-1.25 X 20, Hex
26	80198A	3	Nut, M8 -1.25 Nylock S.S.
27	80199A	4	Nut, M6 -1.00 Nylock S.S.
28	85610A	1	Screw, 3/8-16 X 2.5" P.H.
29	88612A	8	Washer, Lock M10
30	88617A	8	Screw, M10xm12x16mm S.B.S.H.
31	88618A	1	Nut, M12 Nylon Insert
32	88619A	1	Screw, M12-1.75 X 160mm Hex
33	88623A	4	Nut, M4-.7 Nylock Insert
34	88627A	2	Screw, M6-1 X 40mm Ph
35	55721A	1	Draw Latch
36	55451A	1	Keeper, Latch
37	80223A	8	Nut, M10-1.5 Nylock
38	E04016	2	Spring
39	69186A	1	Tab, Latch, Brush
40	964002	4	Screw, M4-.7x16mm Ph
41	56382665	2	Gimbal-Collar Assembly
42	9097008000	8	Bush Flanged Gfm 1214-15
43	56382618	4	Lever Kit
44	38036A	2	Driver, Pad 14" Gimbal

[] = Not Shown

BRUSH HEAD ASSY - SCRUBTEC 886

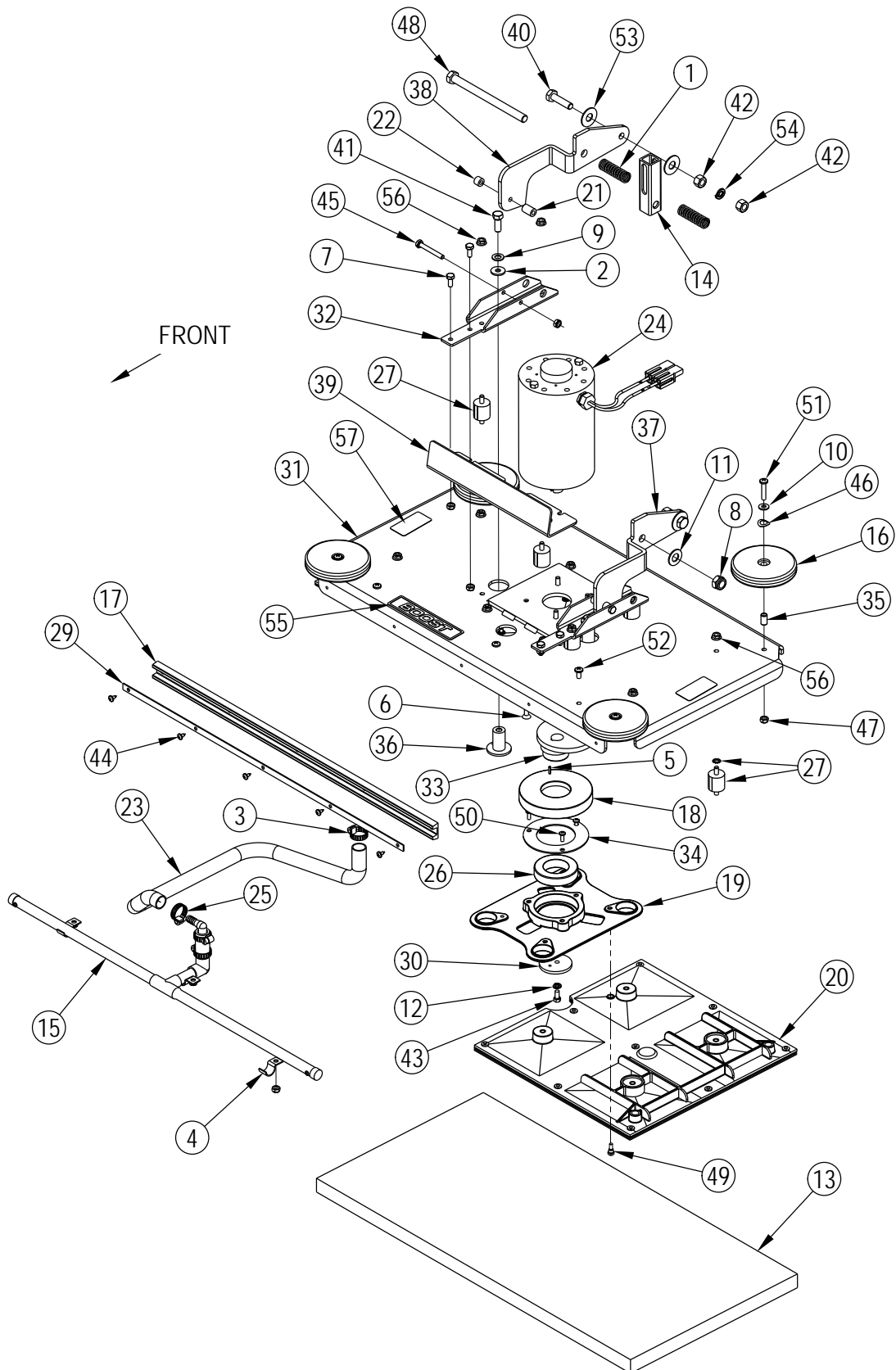


BRUSH HEAD ASSY - SCRUBTEC 886

Item	Ref. No.	Qty	Description
1	722030	1	Clamp, Hose
2	782002	2	Clamp, Manifold
3	920248	2	Nut, 3/8-16. Esna, Jam
4	962714	2	Screw, Gimble Mount
5	980638	1	Washer, 3/8 Lock
6	980645	2	Washer, 3/8" S.A.E. Flat
7	980648	1	Washer 17/32 X 1 1/16 Plain
8	980652	8	Washer, 5/16 Lock
9	56109717	1	Tube Jack Motor
10	30412A	1	Hose, Solution
11	30453A	2	Hose, Clear Vinyl
12	30583A	1	Brush Hsg Lh
13	30584A	1	Brush Housing Rh
14	38014A	1	Splitter, Solution
[15]	40645A	4	Connector, Housing
16	41046A	2	Motor, Brush (Imperial)
17	50248A	2	Clamp, Hose
18	53571A	1	Clamp, Hose
19	57994A	2	Screw, M6- 1 X 20
20	59856A	2	Washer, Rubber
21	59950A	1	Wheel, Guide 3 1/2"
22	61923A	1	Plate, 34" Brush Wldmt
23	61926A	1	Bracket, Head Lift
24	71017A	2	Label, Moving Parts
25	80183A	11	Bolt, M8-1.25 X 20, Hex
26	80198A	3	Nut, M8 -1.25 Nylock S.S.
27	80199A	4	Nut, M6 -1.00 Nylock S.S.
28	85610A	1	Screw, 3/8-16 X 2.5" P.H.
29	88612A	8	Washer, Lock M10
30	88617A	8	Screw, M10xm12x16mm S.B.S.H.
31	88618A	1	Nut, M12 Nylon Insert
32	88619A	1	Screw, M12-1.75 X 160mm Hex
33	88623A	4	Nut, M4-.7 Nylock Insert
34	88627A	2	Screw, M6-1 X 40mm Ph
35	55721A	1	Draw Latch
36	55451A	1	Keeper, Latch
37	80223A	8	Nut, M10-1.5 Nylock
38	E04016	2	Spring
39	69186A	1	Tab, Latch, Brush
40	964002	4	Screw, M4-.7x16mm Ph
41	56382665	2	Gimbal-Collar Assembly
42	9097008000	8	Bush Flanged Gfm 1214-15
43	56382618	4	Lever Kit
44	38034A	2	Driver, Pad 17 Gimbal

[] = Not Shown

BRUSH HEAD ASSY - SCRUBTEC BOOST 8



revised 12/11

BRUSH HEAD ASSY - SCRUBTEC BOOST 8

Item	Ref. No.	Qty	Description
1	E04016	2	Spring
2	170860	2	Washer, Flat 5/16
3	722030	1	Clamp, Hose
4	782002	3	Clamp, Manifold
5	925589	1	Pin, Roll
6	56001881	4	Scr, Flt Soc 1/4-20 NOTE 1 TSBCL2010-12
7	962139	4	Screw, 1/4-20x.625 Hex Cap
8	88618A	1	Nut, M12 Nylon Insert
9	980638	2	Washer, 3/8 Lock
10	980646	4	Washer, 1/4" Flat
11	980648	1	Washer 17/32 X 1 1/16 Plain
12	980657	1	Washer, Lock 1/4
13	997001	1	Pad, Red, 28"
14	56109717	1	Tube Jack Motor
15	10309A	1	Tube Drip 28"
16	30048A	4	Guide, Wheel
17	30206A	1	Bumper
18		1	Shield Boost Bearing NOTE 1 / NOTE 2 / TSBCL2010-12
19	56381491	1	Plate Driver
20	56380188	1	Flex Plate Assy-28 NOTE 1 / TSBCL2010-12
21	30670A	2	Spacer, Nylon
22	30671A	2	Spacer, Nylon
23	30680A	1	Hose, Solution (Flex)
24	56390072	1	Motor, 24vdc NOTE 3
[]	11055A	1	Brush Motor Replacement Kit (for 56390072)
[]	56412287	1	Carbon Brushes (for 56380247)
25	50248A	1	Clamp, Hose
26	50736A	1	Bearing
27	56380235	1	Isolator Kit Boost 28",32" NOTE 1 TSBCL2010-12
29	61425A	1	Retainer, Bumper
30	61724A	1	Retainer, Eccentric
31	56381724	1	Plate-Upper 28
32	61733B	2	Bracket, Lift
33		1	Eccentric NOTE 2
34	61775A	1	Retainer, Bearing
35	61782A	4	Sleeve, Guide Wheel
36	56381532	2	Stud Stabilizer_Short
37	61935A	1	Arm, Lift, Right
38	61936A	1	Arm, Lift, Left
39	61938A	1	Guard, Front
40	80054A	2	Screw, M10-1.5 X40mm
41	80103A	2	Bolt, 3/8-24 X 1.0 Hex
42	80162A	4	Nut, M10 Hex
43	80252A	1	Screw, 1/4-20 X 1 HH S.S.
44	80296A	5	Screw #10-24 X 7/16 Type 23
45	80298A	2	Screw, 1/4-20 X 2.00 Hex Cap
46	80317A	4	Washer Bowed .455 Id X .740 O.D.
47	81217A	13	Nut, 1/4-20 Hex Esna
48	88619A	1	Scr, M12-1.75 X 160mm Hex
49	56381989	4	Shoulder Bolt - BOOST
50	84237A	3	Screw, 10-32 X .50 P.H.
51	85301A	4	Screw, 1/4-20 X 1 1/4 C.R.P.H.
52	85395A	3	Screw, 1/4-20 X 1/2" P.H.
53	87607A	4	Washer, Nylon 1.25 X .52 X .06 Flat
54	88612A	2	Washer, Lock M10
55	56381702	1	Decal-Boost Embossed
56	81220A	12	Nut-Serrated Flange
57	71017A	2	Label, Moving Parts

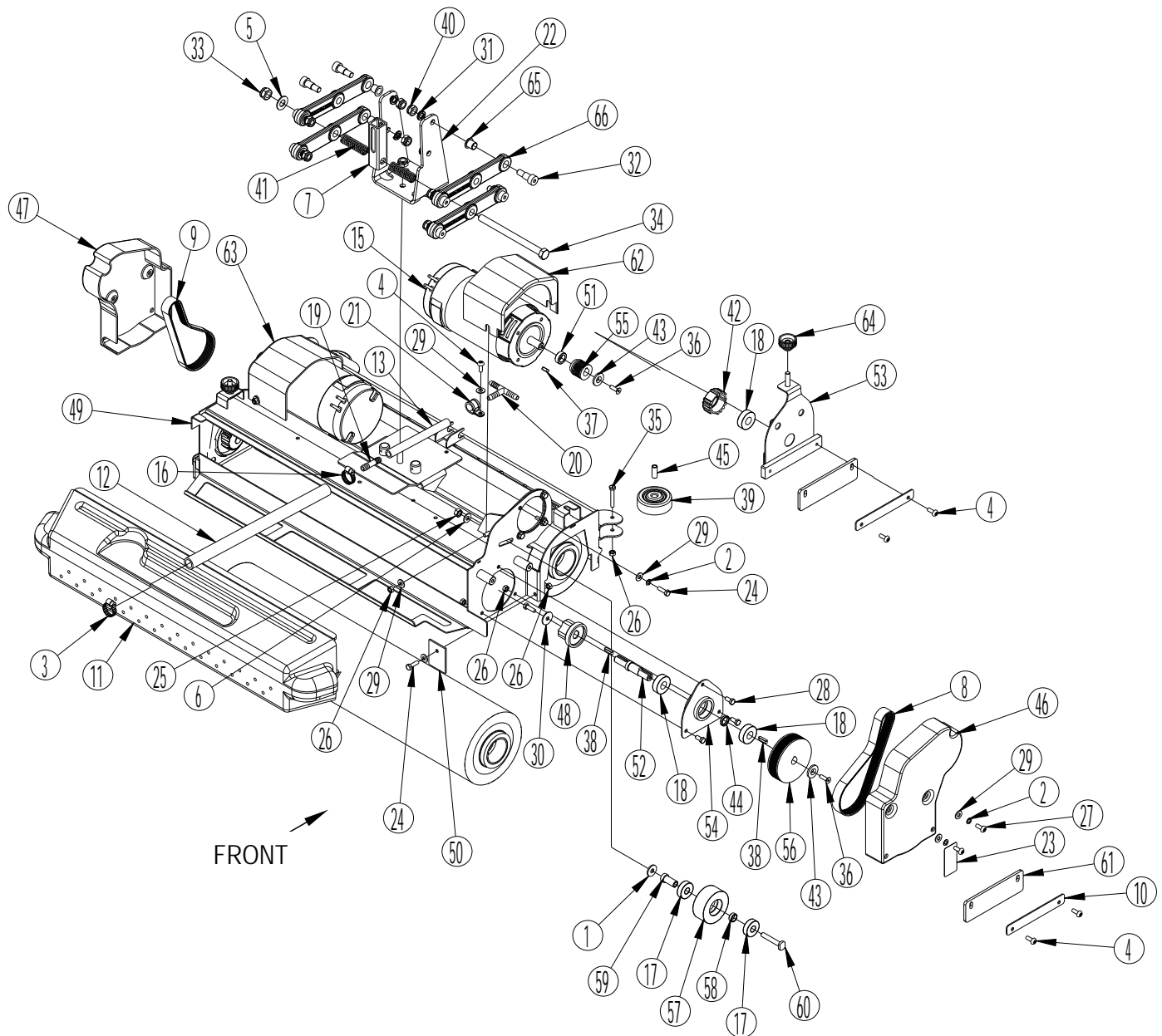
* = Optional, Not Included

NOTE 1: Customers ordering parts for machines built before April 2010 need to order 28" Flex Plate Kit 56380210 to replace any or all of these Items for repair.

NOTE 2: Order Eccentric & Shield Kit 56380246 to replace these components.

NOTE 3: Motor 56390072 replaced Motor 56380247 in production effective February 2012.

BRUSH HEAD ASSY - SCRUBTEC 871C



BRUSH HEAD ASSY - SCRUBTEC 871C

Item	Ref. No.	Qty	Description	Item	Ref. No.	Qty	Description
1	170860	2	Washer, Flat 5/16	34	88619A	1	Screw, M12-1.75 X 160mm Hex
2	170892	12	Washer Lock 1/4	35	88626A	2	Screw M6-1 X 40mm Hex
3	722030	1	Clamp, Hose	36	88642A	4	Screw M6-1.0 X 20mm Flat Hd Socket
4	964007	9	Screw, M6 X 1.00 X 16mm Pan Head	37	88645A	2	Key Square M5 X 15mm
5	980648	1	Washer 17/32 X 1 1/16 Plain	38	88646A	4	Key Square M5 X20mm
6	980651	2	Washer, 5/16 Flat	39	L08602460	2	Roller Bumper
7	56109717	1	Tube Jack Motor	40	80223A	9	Nut, M10-1.5 Nylock
8	9095760000	1	Belt Poly-V	41	E04016	2	Spring
9	9095761000	1	Belt Poly-V	42	56407551	2	Hub Brush
10	9095769000	4	Plate, Splash Guard Fix	43	1455828000	4	Spacer
11	9096225000	1	Container Dirt	44	1461232000	2	Spacer
12	30680A	1	Hose, Solution (Flex)	45	9095710000	2	Spacer
13	30835A	1	Hose, Clear	46	9095724000	1	Cover Crankcase Belt Right
[14]	40645A	4	Connector, Housing	47	9095725000	1	Cover Crankcase Belt Left
15	41086A	2	Motor Electric 600w 24v	48	9095728000	2	Hub Brush
16	50248A	1	Clamp, Hose	49	9095751000	1	Frame Cyl Deck
17	51126A	4	Bearing, 6201	50	9095752000	2	Splash Guard
18	51225A	6	Bearing, 6292 Sealed	51	9095754000	2	Spacer
19	52414A	1	Union, 3/8 Straight Hosebarb	52	9095755000	2	Pin Brush Pulley
20	53181A	1	Hosebarb 3/8 T	53	9095756000	2	Support Brush
21	54779A	1	Clamp P 5/8 Steel	54	9095757000	2	Support Brush Pulley
22	61926A	1	Bracket, Head Lift	55	9095758000	2	Pulley
23	71017A	2	Label, Moving Parts	56	9095759000	2	Pulley Poly-V
24	80195A	12	Screw, M6 X 1.00 X 20mm Hex S.S.	57	9095762000	2	Roller Belt Tensioner
25	80198A	2	Nut, M8 -1.25 Nylock S.S.	58	9095764000	2	Spacer
26	80199A	15	Nut, M6 -1.00 Nylock S.S.	59	9095765000	2	Bushing Collared
27	80208A	4	Screw, M6 X 1.00 X 10mm Pan Head	60	9095766000	2	Pin
28	80214A	6	Screw, M6 X 1 X 12	61	9095770000	4	Guard Splash
29	87026A	19	Washer, 1/4 Flat S.S.	62	9095802000	1	Crankcase Motor Protection Right
30	87039A	2	Washer Fender 1/4"	63	9095803000	1	Crankcase Motor Protection Left
31	88612A	8	Washer, Lock M10	64	9095964000	2	Knob M8
32	88617A	8	Screw, M10xm12x16mm S.B.S.H.	65	9097008000	8	Bush Flanged Gfm 1214-15
33	88618A	1	Nut, M12 Nylon Insert	66	56382618	4	Lever Kit

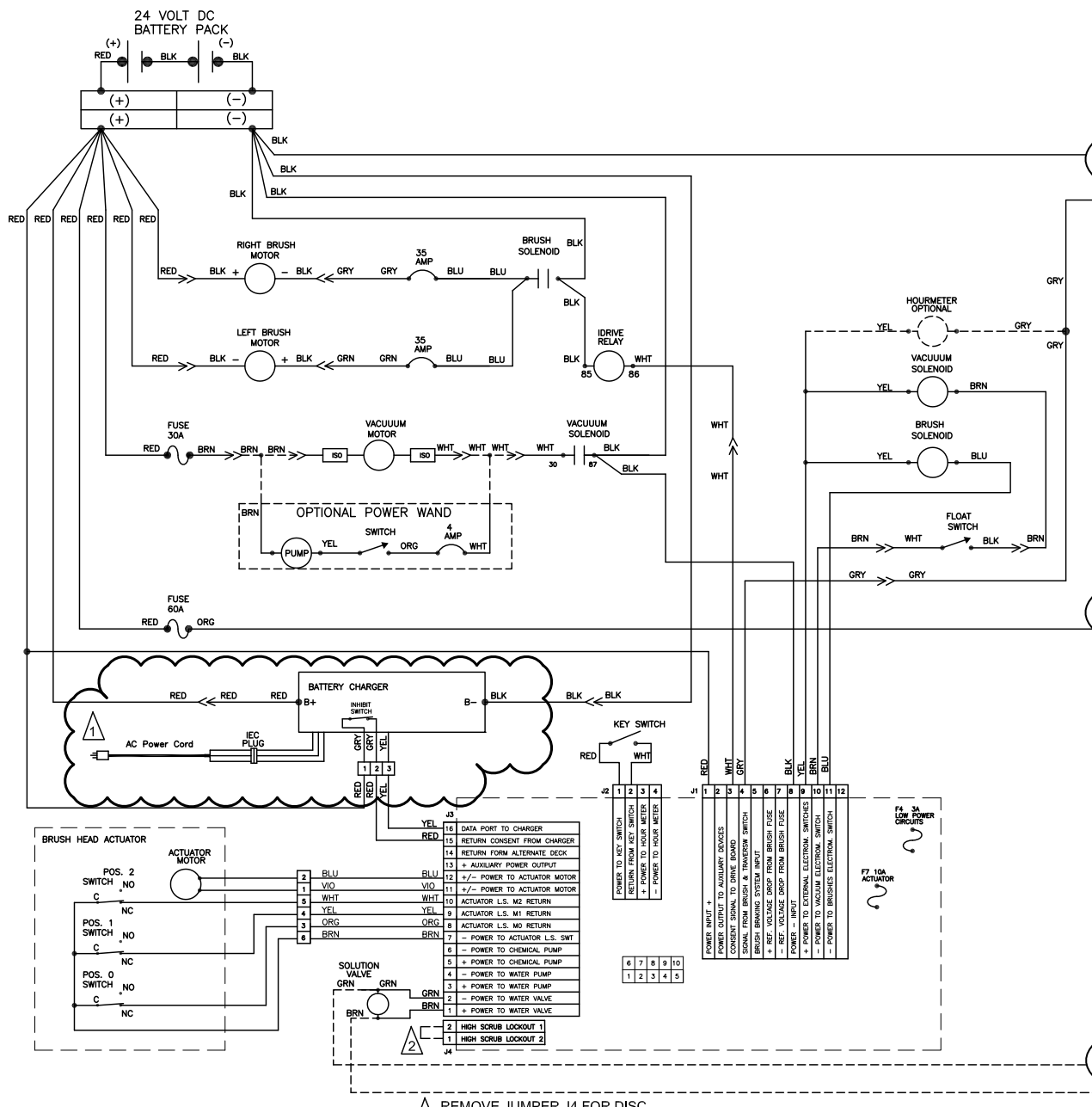
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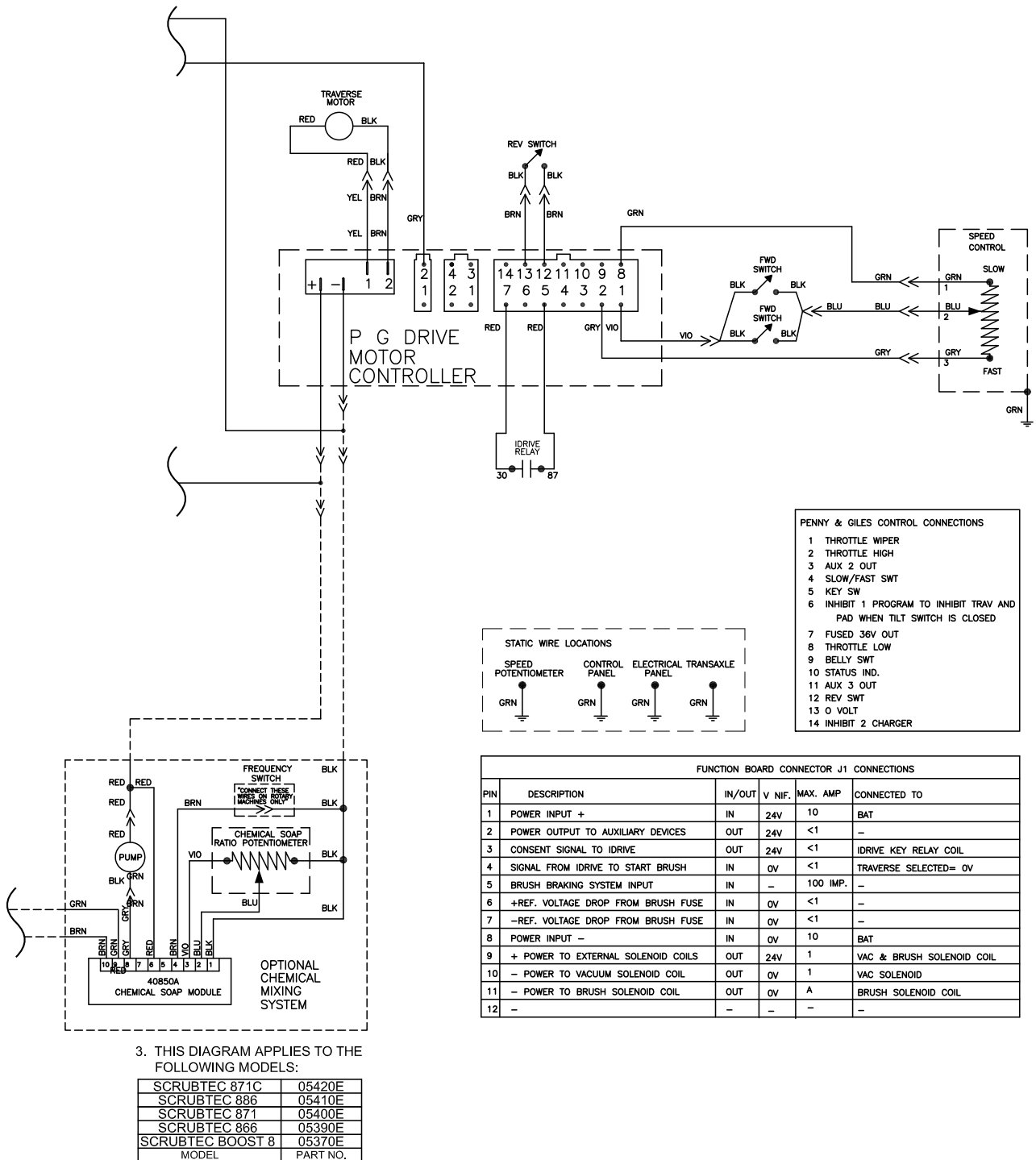
CHEMICAL MIXING KIT

Item	Ref. No.	Qty	Description
1	Ref.	1	Cleaning Solution Bottle
2	Ref.	1	From Frame Asm.
3	Ref.	1	Valve From Frame Asm.
4	722030	2	Clamp, Hose
5	964002	1	Screw, M4-.7 x 16MM PH
6	980621	1	Washer, External Tooth Lock
7	980982	1	Washer, #10 SAE Flat
8	39725A	1	Hose, 1/4" ID x 15.25 Clear
9	39726A	1	Hose, 1/4" ID x 11.50 Clear
10	39727A	1	Hose, 3/8 x 11.5 Clear
11	40850A	1	Module, Chemical
12	41084A	1	Harness, Chemical
13	53186A	10	Tie, Wire (not illustrated)
14	53719A	1	Valve, Check
15	53721A	1	Pump, Chemical
16	53736A	1	Knob, Adjustment
17	87618A	2	Washer, Flat
18	54778A	1	Adapter, Cap 38MM
19	61772A	1	Bracket, Pump
20	61954B	1	Support, Bottle
21	71489A	1	Label, Chemical Settings
22	85614A	4	Screw, 8-32 x 3/4 PH
23	88644A	1	Tee, Reducing 3/8 to 1/2
24	9097023000	1	Adaptor (For Sutter box)

ELECTRICAL SCHEMATIC-1

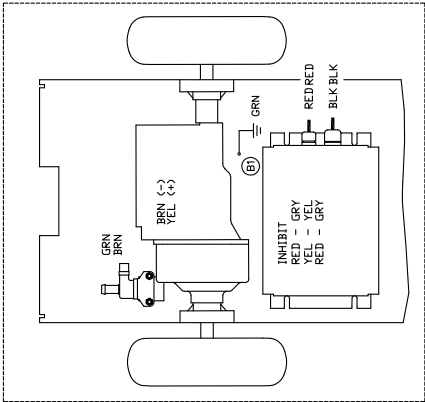


ELECTRICAL SCHEMATIC-2

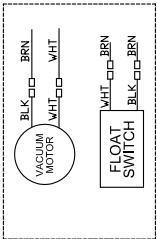


CONNECTION DIAGRAM

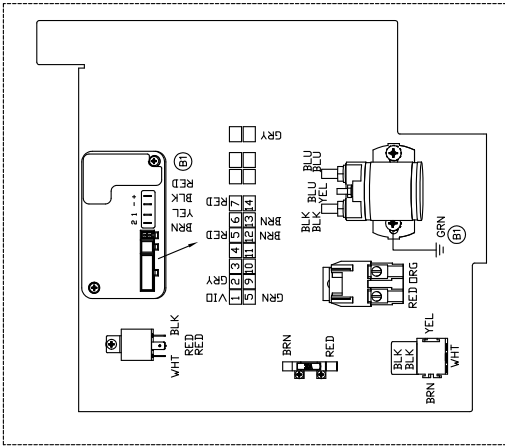
MAIN FRAME



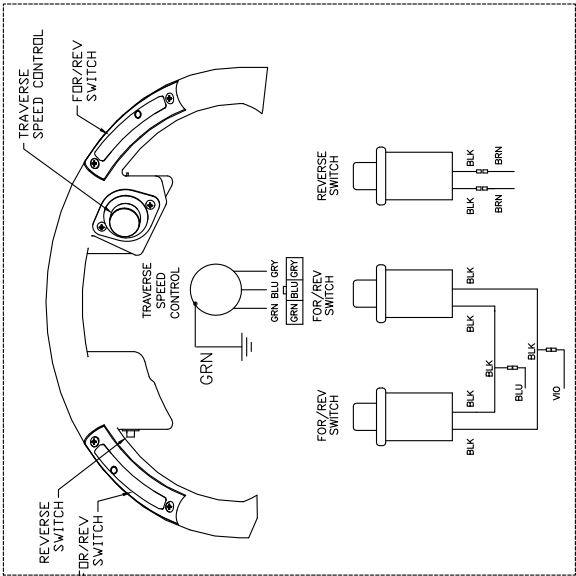
RECOVERY TANK



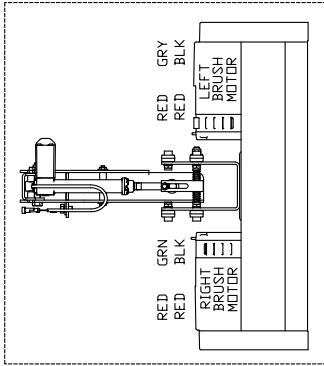
ELECTRICAL PANEL



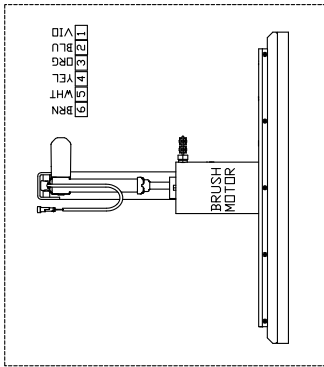
HANDLE



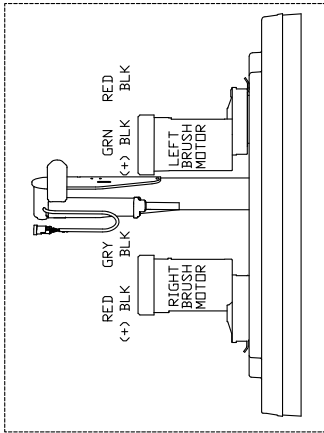
FRONT OF MACHINE CYLINDRICAL



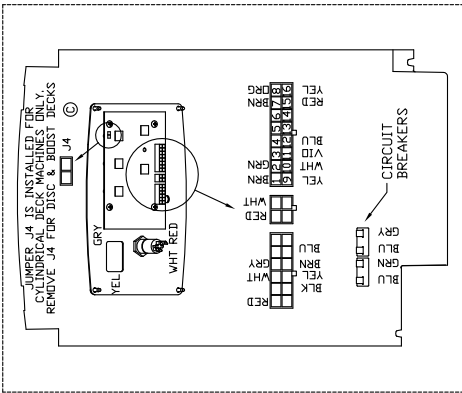
FRONT OF MACHINE BOOST



FRONT OF MACHINE DISK



CONTROL PANEL



FOCUS I CYL 28 CHEM	05420C	PART NO.
FOCUS I DISC 34 CHEM	05410C	
FOCUS I DISC 28 CHEM	05400C	
FOCUS I DISC 28 CHEM	05390C	
FOCUS I BOOST 34 CHEM	05380C	
FOCUS I BOOST 28 CHEM	05370C	
FOCUS II CYL 28	05420A	
FOCUS II DISC 34	05410A	
FOCUS II DISC 28	05400A	
FOCUS II DISC 28	05390A	
FOCUS II BOOST 34	05380A	
FOCUS II BOOST 28	05370A	

SCRUBTEC 871C	05420E	PART NO.
SCRUBTEC 866	05410E	
SCRUBTEC 866	05400E	
SCRUBTEC 866	05390E	
SCRUBTEC BOOST 8	05370E	

ACCESSORIES

Item	Ref. No.	Qty	Description
*	11370A	1	Power Wand System Kit
*	11363A	1	Chemical System Kit
*	11371A	1	Hour Meter Kit
*	56112221	1	Parking Brake Kit
*	14607A	1	Care Kit
*	53391A	1	Battery Maintenance System (CBMS)
*	10398A	1	32.5" Squeegee Asm.
*	10399A	1	35" Squeegee Asm.
*	10748A	1	41" Squeegee Asm.

Scrubtec Boost 8

Item	Ref. No.	Qty	Description
Pads & Brushes			
*	997002	1	White Pad (14x28) 5 pack
*	997001	1	Red Pad (14x28) 5 pack
*	997006	1	Blue Pad (14x28) 5 pack
*	997018	1	Maroon Pad (14x28) 10 pack
*	997000	1	Black Pad (14x28) 5 pack
*	30752A	1	Poly Brush (14x28)
*	30751A	1	Nylon Brush (14x28)
*	30753A	1	Grit Brush (14x28)
*	30794A	1	Two Sided Velcro
35" Squeegee Blades (front & rear)			
*	11332A	1	Urethane Squeegee Blade Kit
*	11338A	1	Red Gum Rubber Squeegee Blade Kit
*	11335A	1	Gum Squeegee Blade Kit

Scrubtec 866

Item	Ref. No.	Qty	Description
Pad Driver & Brushes			
*	38035A	2	Pad Driver (13")
*	11438A	2	Poly Brush (13")
*	11437A	2	Soft Nylon Brush (13")
*	10382A	2	Lite Grit Brush (13")
*	11439A	2	Medium Grit Brush (13")
*	11440A	2	Heavy Grit Brush (13")
32.5" Squeegee Blades (front & rear)			
*	11333A	1	Urethane Squeegee Blade Kit
*	11339A	1	Red Gum Rubber Squeegee Blade Kit
*	11336A	1	Gum Squeegee Blade Kit

* = Optional, Not Included

ACCESSORIES

Scrubtec 871

Item	Ref. No.	Qty	Description
			Pad Driver & Brushes
*	38036A	2	Pad Driver (14")
*	11427B	2	Poly Brush (14")
*	10874A	2	Soft Nylon Brush (14")
*	10383A	2	Lite Grit Brush (14")
*	11431B	2	Medium Grit Brush (14")
*	11426B	2	Heavy Grit Brush (14")
			35" Squeegee Blades (front & rear)
*	11332A	1	Urethane Squeegee Blade Kit
*	11338A	1	Red Gum Rubber Squeegee Blade Kit
*	11335A	1	Gum Squeegee Blade Kit

Scrubtec 886

Item	Ref. No.	Qty	Description
			Pad Driver & Brushes
*	38034A	2	Pad Driver (17")
*	11424B	2	Poly Brush (17")
*	10875A	2	Soft Nylon Brush (17")
*	10384A	2	Lite Grit Brush (17")
*	11430B	2	Medium Grit Brush (17")
*	11425B	2	Heavy Grit Brush (17")
			41" Squeegee Blades (front & rear)
*	11331A	1	Urethane Squeegee Blade Kit
*	11337A	1	Red Gum Rubber Squeegee Blade Kit
*	11334A	1	Gum Squeegee Blade Kit

Scrubtec 871C

Item	Ref. No.	Qty	Description
			Brushes
*	56412046	2	Poly Brush (5.7" dia.)
*	56412191	2	Soft Nylon Brush (5.7" dia.)
*	56412192	2	Hard Nylon Brush (5.7" dia.)
*	56412193	2	Lite Grit Brush (5.7" dia.)
*	56412194	2	Medium Grit Brush (5.7" dia.)
*	56412195	2	Heavy Grit Brush (5.7" dia.)
			35" Squeegee Blades (front & rear)
*	11332A	1	Urethane Squeegee Blade Kit
*	11338A	1	Red Gum Rubber Squeegee Blade Kit
*	11335A	1	Gum Squeegee Blade Kit

* = Optional, Not Included

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